

Copyright (c) 1993 - 2003 Compugen Ltd.	GenCore version 5.1.6
Run on: July 25, 2003, 12:38:05 ; Search time 24.7086 Seconds (without alignments)	US-09-987-357-1
OM protein - protein search, using sw model	
Scoring table: BIOSUM62 Gapop 10.0 , Gapext 0.5	US-09-987-357-1
Searched: 328717 seqs, 4231058 residues	US-09-987-357-1
Actual number of hits satisfying chosen parameters:	328717
Minimum DB seq length: 0	28 36.9 .5 36.6 21.8 4 US-09-262-087-3
Maximum DB seq length: 200000000	29 36.9 .5 36.6 21.8 4 US-09-463-261B-9
Post-processing: Minimum Match 0%, Maximum Match 100% Listing first 45 summaries	30 35.1 34.8 224 4 US-09-540-530-4
Database : Issued Patents AA,*	31 35.1 34.8 224 2 US-09-111-070-2
1: /cgnd_6/podata/1/aa/5A COMB.pep,* 2: /cgnd_6/podata/1/aa/5B COMB.pep,* 3: /cgnd_6/podata/1/aa/6A COMB.pep,* 4: /cgnd_6/podata/1/aa/6B COMB.pep,* 5: /cgnd_6/podata/1/aa/PC1US COMB.pep,* 6: /cgnd_6/podata/1/aa/backfile1.pep,*	32 35.1 34.8 224 4 US-09-849-764C-2
Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.	33 35.1 34.8 224 4 US-09-262-087-2
SUMMARIES	
Result No. Score % Query Match Length DB ID Description	34 35.1 34.8 224 4 US-09-463-261B-2
1 1009 100.0 184 4 US-09-452-817-1 Sequence 1, Appli	35 35.1 34.8 224 4 US-09-540-530-4
2 1009 100.0 207 1 US-09-588-163-5 Sequence 5, Appli	36 35.1 34.8 224 4 US-09-901-904-2
3 1009 100.0 207 2 US-09-111-070-2 Sequence 5, Appli	37 35.1 34.8 224 5 PCT-IS94-1498A-2
4 1009 100.0 207 4 US-09-849-764C-5 Sequence 5, Appli	38 279 27.7 164 4 US-09-134-231C-17
5 1009 100.0 207 4 US-09-262-087-5 Sequence 5, Appli	39 260 25.8 171 4 US-09-134-231C-28
6 1009 100.0 207 4 US-09-463-61B-11 Sequence 1, Appli	40 124 12.3 25 2 US-09-474-696A-2
7 1009 100.0 207 4 US-09-540-530-1 Sequence 1, Appli	41 105 10.4 22 2 US-09-474-696A-5
8 1009 100.0 207 4 US-09-084-231C-23 Sequence 22, Appli	42 105 10.4 22 2 US-09-474-696A-6
9 893 88.5 207 4 US-09-134-231C-22 Sequence 24, Appli	43 105 10.4 25 2 US-09-474-696A-4
10 817.5 81.0 206 4 US-09-134-231C-24 Sequence 25, Appli	44 88.5 8.8 512 1 US-07-779-890-4
11 761.5 75.5 205 4 US-09-134-231C-25 Sequence 2, Appli	45 88.5 8.8 512 1 US-07-779-890-4
12 579 57.9 106 4 US-09-452-817-2 Sequence 29, Appli	ALIGNMENTS
13 381.5 37.8 212 4 US-09-134-231C-29 Sequence 1, Appli	RESULT 1
14 377.5 37.4 198 4 US-09-134-231C-15 Sequence 23, Appli	US-09-452-817-1
15 377.5 37.4 211 1 US-09-588-163-4 Sequence 22, Appli	Sequence 1, Application US/09452817
16 377.5 37.4 211 2 US-09-111-070-4 Sequence 24, Appli	; Patent No. 6342374
17 377.5 37.4 211 4 US-09-540-530-3 Sequence 3, Appli	; GENERAL INFORMATION:
18 377.5 37.4 211 4 US-09-134-231C-13 Sequence 13, Appli	; APPLICANT: Carmichael, David F
19 377.5 37.4 220 1 US-09-588-163-3 Sequence 11, Appli	; APPLICANT: Stricklin, George P
20 377.5 37.4 220 2 US-09-111-070-3 Sequence 1, Appli	; APPLICANT: Welser, Howard
21 377.5 37.4 220 4 US-09-540-530-2 Sequence 22, Appli	; TITLE OF INVENTION: Human Collagenase Inhibitor, Recombinant Vector System
22 377.5 37.4 220 4 US-09-134-231C-27 Sequence 24, Appli	; TITLE OF INVENTION: For Using Same And Recombinant-DNA Method For
23 36.9 36.9 210 4 US-09-849-764C-4 Sequence 3, Appli	; FILE REFERENCE: Serial No. 6342374 09/422, 817
24 37.2 36.9 210 4 US-09-262-087-4 Sequence 13, Appli	; CURRENT APPLICATION NUMBER: US/09/452, 817
25 36.9 36.9 210 4 US-09-463-61B-10 Sequence 11, Appli	; CURRENT FILING DATE: 2001-06-22
26 370.5 36.7 220 4 US-09-134-231C-26 Sequence 1, Appli	; PRIOR APPLICATION NUMBER: 08/474, 553
27 369.5 36.6 218 4 US-08-849-764C-3 Sequence 23, Appli	; PRIOR FILING DATE: 1995-05-07
28 36.9 .5 36.6 21.8 4 US-09-262-087-3	; PRIOR APPLICATION NUMBER: 08/050, 739
29 36.9 .5 36.6 21.8 4 US-09-463-261B-9	; PRIOR FILING DATE: 1993-04-21
30 35.1 34.8 224 4 US-09-540-530-4	; PRIOR APPLICATION NUMBER: 07/853, 018
31 35.1 34.8 224 2 US-09-111-070-2	; PRIOR FILING DATE: 1992-03-18
32 35.1 34.8 224 4 US-09-849-764C-2	; PRIOR APPLICATION NUMBER: 07/517, 475
33 35.1 34.8 224 4 US-09-262-087-2	; PRIOR APPLICATION NUMBER: 07/320, 923
34 34.8 224 4 US-09-540-530-4	; PRIOR APPLICATION NUMBER: 06/784, 319
35 34.8 224 4 US-09-474-696A-2	; PRIOR FILING DATE: 1985-10-04
36 34.8 224 4 US-09-474-696A-5	; PRIOR APPLICATION NUMBER: 06/699, 181
37 34.8 224 5 PCT-IS94-1498A-2	; PRIOR FILING DATE: 1985-02-05
38 279 27.7 164 4 US-09-134-231C-17	; NUMBER OF SEQ ID NOS: 20
39 260 25.8 171 4 US-09-134-231C-28	; SOFTWARE: PatentIn Ver. 2.0
40 124 12.3 25 2 US-09-474-696A-2	; SEQ ID NO: 1
41 105 10.4 22 2 US-09-474-696A-5	; LENGTH: 184
42 105 10.4 22 2 US-09-474-696A-6	; TYPE: PRT
43 105 10.4 25 2 US-09-474-696A-4	; ORGANISM: Homo sapiens
44 88.5 8.8 512 1 US-07-779-890-4	US-09-452-817-1
45 88.5 8.8 512 1 US-07-779-890-4	Query Match 100.0%; Score 0.09; DB 4; length 184;
Qy 1 CTCVPPHQTAFCNSDLVIRAKFVGTPEWQNTQYQREIKMTQMYKGQALGDAADRF 60	Best Local Similarity 100.0%; Pred. No. 9.7e-11; 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 CTCVPPHQTAFCNSDLVIRAKFVGTPEWQNTQYQREIKMTQMYKGQALGDAADRF 60	Matches 184; Conservative 0;
Qy 1 CTCVPPHQTAFCNSDLVIRAKFVGTPEWQNTQYQREIKMTQMYKGQALGDAADRF 60	Sequence 1, Appli
Qy 1 CTCVPPHQTAFCNSDLVIRAKFVGTPEWQNTQYQREIKMTQMYKGQALGDAADRF 60	Sequence 2, Appli
Qy 1 CTCVPPHQTAFCNSDLVIRAKFVGTPEWQNTQYQREIKMTQMYKGQALGDAADRF 60	Sequence 3, Appli
Qy 1 CTCVPPHQTAFCNSDLVIRAKFVGTPEWQNTQYQREIKMTQMYKGQALGDAADRF 60	Sequence 4, Appli
Qy 61 VYTPAMESVCGYFHRSNTSBEFLTAGKQDGHLAITCSFVAWNNSLSLAQRGFTKY 120	Sequence 5, Appli
Qy 61 VYTPAMESVCGYFHRSNTSBEFLTAGKQDGHLAITCSFVAWNNSLSLAQRGFTKY 120	Sequence 6, Appli
Qy 121 TVGCBECTVFPCLSLPKLQSGTHLWTDOLLOGSEKGFSQRSLAQRGFTKY 120	Sequence 7, Appli
Qy 121 TVGCBECTVFPCLSLPKLQSGTHLWTDOLLOGSEKGFSQRSLAQRGFTKY 120	Sequence 8, Appli
Qy 121 TVGCBECTVFPCLSLPKLQSGTHLWTDOLLOGSEKGFSQRSLAQRGFTKY 120	Sequence 9, Appli
Qy 121 TVGCBECTVFPCLSLPKLQSGTHLWTDOLLOGSEKGFSQRSLAQRGFTKY 120	Sequence 10, Appli
Qy 121 TVGCBECTVFPCLSLPKLQSGTHLWTDOLLOGSEKGFSQRSLAQRGFTKY 120	Sequence 11, Appli
Qy 121 TVGCBECTVFPCLSLPKLQSGTHLWTDOLLOGSEKGFSQRSLAQRGFTKY 120	Sequence 12, Appli
Qy 121 TVGCBECTVFPCLSLPKLQSGTHLWTDOLLOGSEKGFSQRSLAQRGFTKY 120	Sequence 13, Appli
Qy 121 TVGCBECTVFPCLSLPKLQSGTHLWTDOLLOGSEKGFSQRSLAQRGFTKY 120	Sequence 14, Appli
Qy 121 TVGCBECTVFPCLSLPKLQSGTHLWTDOLLOGSEKGFSQRSLAQRGFTKY 120	Sequence 15, Appli
Qy 121 TVGCBECTVFPCLSLPKLQSGTHLWTDOLLOGSEKGFSQRSLAQRGFTKY 120	Sequence 16, Appli
Qy 121 TVGCBECTVFPCLSLPKLQSGTHLWTDOLLOGSEKGFSQRSLAQRGFTKY 120	Sequence 17, Appli
Qy 121 TVGCBECTVFPCLSLPKLQSGTHLWTDOLLOGSEKGFSQRSLAQRGFTKY 120	Sequence 18, Appli
Qy 121 TVGCBECTVFPCLSLPKLQSGTHLWTDOLLOGSEKGFSQRSLAQRGFTKY 120	Sequence 19, Appli
Qy 121 TVGCBECTVFPCLSLPKLQSGTHLWTDOLLOGSEKGFSQRSLAQRGFTKY 120	Sequence 20, Appli
Qy 121 TVGCBECTVFPCLSLPKLQSGTHLWTDOLLOGSEKGFSQRSLAQRGFTKY 120	Sequence 21, Appli
Qy 121 TVGCBECTVFPCLSLPKLQSGTHLWTDOLLOGSEKGFSQRSLAQRGFTKY 120	Sequence 22, Appli
Qy 121 TVGCBECTVFPCLSLPKLQSGTHLWTDOLLOGSEKGFSQRSLAQRGFTKY 120	Sequence 23, Appli
Qy 121 TVGCBECTVFPCLSLPKLQSGTHLWTDOLLOGSEKGFSQRSLAQRGFTKY 120	Sequence 24, Appli
Qy 121 TVGCBECTVFPCLSLPKLQSGTHLWTDOLLOGSEKGFSQRSLAQRGFTKY 120	Sequence 25, Appli
Qy 121 TVGCBECTVFPCLSLPKLQSGTHLWTDOLLOGSEKGFSQRSLAQRGFTKY 120	Sequence 26, Appli

DNA to Expr
of Metallocproteases

RESULT 2
US-08-588-163-5
; Sequence 5, Application US/08588163
; Patent No. 5563752
GENERAL INFORMATION:
APPLICANT: Hawkins, Phillip R.
APPLICANT: Murry, Lynn E.
TITLE OF INVENTION: A NOVEL TISSUE INHIBITOR OF
TITLE OF INVENTION: METALLOPROTEINASES
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: US
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/588,163
FILING DATE: Herewith
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Luther, Barbara J.
REGISTRATION NUMBER: 33,954
REFERENCE/DOCKET NUMBER: PP-0053
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-852-0195
TELEX:
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 207 amino acids
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
LIBRARY: METALLOPROTEINASES
CLONE: TIMP-1
; US-08-588-163-5

Query Match 100.0%; Score 1009; DB 1; Length 207;
Best Local Similarity 100.0%; Pred. No. 1.2e-116; Mismatches 0; Indels 0; Gaps 0;
Matches 184; Conservative 0; Mismatches 0;

QY 1 CTCVPHPHQTAFCNSDLVIRAKFVGTPENQNTLYQREIKMTKMGFOALGDAADRF 60
Db 24 CTCVPHPHQTAFCNSDLVIRAKFVGTPENQNTLYQREIKMTKMGFOALGDAADRF 60
QY 61 VYTPTAMESVCGYFHRSHNRSEEFLLAGKLGDLHITCSFVAPWNSLSLAQRGFTKY 120
Db 84 VYTPTAMESVCGYFHRSHNRSEEFLLAGKLGDLHITCSFVAPWNSLSLAQRGFTKY 120
QY 121 TVGCERCTVPLSIPCKLQSGTHCLWTDOLQSGEKGFOSRHLACLPBPGLCITWOSLR 180
Db 144 TVGCERCTVPLSIPCKLQSGTHCLWTDOLQSGEKGFOSRHLACLPBPGLCITWOSLR 203
QY 181 SQIA 184
Db 204 SQIA 207

AP
fj
Temp

RESULT 3
US-09-111-070-5
; Sequence 5, Application US/09111070
; Patent No. 5914392
GENERAL INFORMATION:
APPLICANT: Hawkins, Phillip R.
APPLICANT: Murry, Lynn E.
TITLE OF INVENTION: A NOVEL TISSUE INHIBITOR OF
TITLE OF INVENTION: METALLOPROTEINASES
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: US
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/111,070
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/588,163
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Luther, Barbara J.
REGISTRATION NUMBER: 33,954
REFERENCE/DOCKET NUMBER: PP-0053
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-852-0195
TELEX:
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 207 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
LIBRARY: METALLOPROTEINASES
CLONE: TIMP-1
; US-09-111-070-5

Query Match 100.0%; Score 1009; DB 2; Length 207;
Best Local Similarity 100.0%; Pred. No. 1.2e-116; Mismatches 0; Indels 0; Gaps 0;
Matches 184; Conservative 0; Mismatches 0;

QY 1 CTCVPHPHQTAFCNSDLVIRAKFVGTPENQNTLYQREIKMTKMGFOALGDAADRF 60
Db 24 CTCVPHPHQTAFCNSDLVIRAKFVGTPENQNTLYQREIKMTKMGFOALGDAADRF 60
QY 61 VYTPTAMESVCGYFHRSHNRSEEFLLAGKLGDLHITCSFVAPWNSLSLAQRGFTKY 120
Db 84 VYTPTAMESVCGYFHRSHNRSEEFLLAGKLGDLHITCSFVAPWNSLSLAQRGFTKY 120
QY 121 TVGCERCTVPLSIPCKLQSGTHCLWTDOLQSGEKGFOSRHLACLPBPGLCITWOSLR 180
Db 144 TVGCERCTVPLSIPCKLQSGTHCLWTDOLQSGEKGFOSRHLACLPBPGLCITWOSLR 203
QY 181 SQIA 184
Db 204 SQIA 207

RESULT 4
 US-08-849-764C-5
 ; Sequence 5 Application US/08849764C
 ; Patent No (63031)
 ; GENERAL INFORMATION:
 ; APPLICANT: GREENE, JOHN M
 ; ADDRESSEE: HUMAN GENOME SCIENCES, INC.
 ; TITLE OF INVENTION: HUMAN TISSUE INHIBITOR OF METALLOPROTEINASE-4
 ; NUMBER OF SEQUENCES: 11
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSE: HUMAN GENOME SCIENCES, INC.
 ; STREET: 9410 KEY WEST AVENUE
 ; CITY: ROCKVILLE
 ; STATE: MD
 ; COUNTRY: USA
 ; ZIP: 20850
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/849,764C
 FILING DATE: 19-SEP-1997
 CLASSIFICATION: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: MICHELE M. WALES
 REGISTRATION NUMBER: 43, 975
 REFERENCE/DOCKET NUMBER: PPI48US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 301-309-8504
 TELEFAX: 301-309-4439
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 207 amino acids
 TYPE: amino acid
 STRANDBEADNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 5:
 US-08-849-764C-5

Query Match 100.0%; Score 1009; DB 4; Length 207;
 Best Local Similarity 100.0%; Pred. No. 1 2e-116; Mismatches 0; Indels 0; Gaps 0;

Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTCVPVPHQTAFCNSDLVIRAKFVGTPENQNTLYQREYIKMTKMGFOALGDAIDRF 60
 Db 24 CTCVPVPHQTAFCNSDLVIRAKFVGTPENQNTLYQREYIKMTKMGFOALGDAIDRF 83

Qy 61 VTPPAMESVCGYFHRSNRSEEEFLLAGKLQDGGLIHTTCSTVAPWNSLSLAQRGGFTKY 120
 Db 84 VTPPAMESVCGYFHRSNRSEEEFLAGKLQDGGLIHTTCSTVAPWNSLSLAQRGGFTKY 143

Qy 121 TVGCCTVTPCLSPCKLQSGTHCLWTQDOLQSGSKGFSRHLACLPREPGLCWTQSLR 180
 Db 144 TVGCCTVTPCLSPCKLQSGTHCLWTQDOLQSGSKGFSRHLACLPREPGLCWTQSLR 203

Qy 181 SQIA 184
 Db 204 SQIA 207

RESULT 5
 US-09-262-087-5
 Sequence 5, Application US/09262087
 Patent No. 639853
 GENERAL INFORMATION:
 APPLICANT: GREENE, JOHN M
 APPLICANT: ROSEN, CRAIG
 APPLICANT: ROSEN, CRAIG

TITLE OF INVENTION: METALLOPROTEINASE-4
 NUMBER OF SEQUENCES: 11
 CORRESPONDENCE ADDRESS:
 ADDRESSE: HUMAN GENOME SCIENCES, INC.
 STREET: 9410 KEY WEST AVE
 CITY: ROCKVILLE
 STATE: MD
 COUNTRY: USA
 ZIP: 20850
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/262, 087
 FILING DATE: 04-MAR-1999
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/463, 261
 FILING DATE: 05-JUN-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/US94/14498
 FILING DATE: 13-FEB-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: A. ANDERS BROOKES
 REGISTRATION NUMBER: 36, 373
 REFERENCE/DOCKET NUMBER: PPI48P1D1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 301-309-8504
 TELEFAX: 301-309-8439
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 207 amino acids
 TYPE: amino acid
 STRANDBEADNESS: Single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-09-262-087-5

Query Match 100.0%; Score 1009; DB 4; Length 207;
 Best Local Similarity 100.0%; Pred. No. 1 2e-116; Mismatches 0; Indels 0; Gaps 0;

Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTCVPVPHQTAFCNSDLVIRAKFVGTPENQNTLYQREYIKMTKMGFOALGDAIDRF 60
 Db 24 CTCVPVPHQTAFCNSDLVIRAKFVGTPENQNTLYQREYIKMTKMGFOALGDAIDRF 83

Qy 61 VTPPAMESVCGYFHRSNRSEEEFLAGKLQDGGLIHTTCSTVAPWNSLSLAQRGGFTKY 120
 Db 84 VTPPAMESVCGYFHRSNRSEEEFLAGKLQDGGLIHTTCSTVAPWNSLSLAQRGGFTKY 143

Qy 121 TVGCCTVTPCLSPCKLQSGTHCLWTQDOLQSGSKGFSRHLACLPREPGLCWTQSLR 180
 Db 144 TVGCCTVTPCLSPCKLQSGTHCLWTQDOLQSGSKGFSRHLACLPREPGLCWTQSLR 203

Qy 181 SQIA 184
 Db 204 SQIA 207

RESULT 6
 US-08-463-261B-11
 Sequence 11, Application US/08463261B
 Patent No. 6448042
 GENERAL INFORMATION:
 APPLICANT: John M. Greene and Craig A. Rosen
 TITLE OF INVENTION: Human Tissue Inhibitor of Metalloproteinase-4
 NUMBER OF SEQUENCES: 11
 CORRESPONDENCE ADDRESS:
 ADDRESSE: HUMAN GENOME SCIENCES, INC.
 STREET: 9410 KEY WEST AVE

↙ to polyamidopeptidase
 Not seq ID 17

CITY: ROCKVILLE
 STATE: MARYLAND
 COUNTRY: USA
 ZIP: 20850
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 INCH DISKETTE
 COMPUTER: IBM PS/2
 OPERATING SYSTEM: MS-DOS
 SOFTWARE: WORD PERFECT 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/463, 261B
 FILING DATE: 05-JUN-1995
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: PCT/US94/14498
 FILING DATE: 13-DEC-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: KENLEY K. HOOVER
 REGISTRATION NUMBER: 40, 302
 REFERENCE/DOCKET NUMBER: PFI48P1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: -301-610-5790
 TELEFAX: 301-610-8439
 INFORMATION FOR SEQ ID NO: 11:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 207 AMINO ACIDS
 TYPE: AMINO ACID
 STRANDEDNESS:
 TOPOLOGY: LINEAR
 MOLECULE TYPE: PROTEIN

US-08-463-261B-11

Query Match 100.0%; Score 1009; DB 4; Length 207;
 Best Local Similarity 100.0%; Pred. No. 1.2e-116; Indels 0; Gaps 0;
 Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTCPVPPHQTAFCNSDVLVIRAKFVGTPENQNTLYYRVEIKRTMKGFOALGDAADIRF 60
 Db 24 CTCPVPHHQTAFCNSDVLVIRAKFVGTPENQNTLYYRVEIKRTMKGFOALGDAADIRF 83

Qy 61 VYTPTAMESVCGYFHRSHNRSEBFLIAGKLQDGGLHITTCSPVAPNSLSLAQRGFTKY 120
 Db 84 VYTPTAMESVCGYFHRSHNRSEBFLIAGKLQDGGLHITTCSPVAPNSLSLAQRGFTKY 143

Qy 121 TVGCERCTVPCLSIPCKLQSGTHCWTDLQLOSEKGFORSRHLACPRPGCLTWQSLR 180
 Db 144 TVGCERCTVPCLSIPCKLQSGTHCWTDLQLOSEKGFORSRHLACPRPGCLTWQSLR 203

Qy 181 SQIA 184
 Db 204 SQIA 207

RESULT 8

US-08-134-231C-23

Sequence 23, Application US/08134231C

Patent No. 6562596

GENERAL INFORMATION:

APPLICANT: Silbiger, Scott M.

Koski, Raymond A.

TITLE OF INVENTION: Tissue Inhibitor Metalloproteinase Type
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS

NUMBER OF SEQUENCES: 42

CORRESPONDENCE ADDRESS:

ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunner
 STREET: 1300 I Street, N.W.
 CITY: Washington
 STATE: District of Columbia
 COUNTRY: USA

ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: FLOPPY disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS

SEQUENCE CHARACTERISTICS:

APPLICATION NUMBER: US/08/134-231C

FILING DATE: 06-02-1993

CLASSIFICATION: <Unknown>

INFORMATION FOR SEQ ID NO: 23:

SEQUENCE CHARACTERISTICS:

LENGTH: 207 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 23:

US-08-134-231C-23

Query Match 100.0%; Score 1009; DB 4; Length 207;
 Best Local Similarity 100.0%; Pred. No. 1.2e-116; Indels 0; Gaps 0;
 Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTCPVPPHQTAFCNSDVLVIRAKFVGTPENQNTLYYRVEIKRTMKGFOALGDAADIRF 60
 Db 24 CTCPVPHHQTAFCNSDVLVIRAKFVGTPENQNTLYYRVEIKRTMKGFOALGDAADIRF 83

Qy 61 VYTPTAMESVCGYFHRSHNRSEBFLIAGKLQDGGLHITTCSPVAPNSLSLAQRGFTKY 120
 Db 84 VYTPTAMESVCGYFHRSHNRSEBFLIAGKLQDGGLHITTCSPVAPNSLSLAQRGFTKY 143

Qy 121 TVGCERCTVPCLSIPCKLQSGTHCWTDLQLOSEKGFORSRHLACPRPGCLTWQSLR 180
 Db 144 TVGCERCTVPCLSIPCKLQSGTHCWTDLQLOSEKGFORSRHLACPRPGCLTWQSLR 203

Qy 181 SQIA 184
 Db 204 SQIA 207

RESULT 7

US-09-540-530-1

Sequence 1, Application US/09540530

Patent No. 6534635

GENERAL INFORMATION:

APPLICANT: Miyazaki, kaoru

APPLICANT: Higashi, Shouichi

TITLE OF INVENTION: MODIFIED TIMP

FILE REFERENCE: 159-57

CURRENT APPLICATION NUMBER: US/09/540, 530

PRIOR APPLICATION NUMBER: JP 95142/1999

PRIOR FILING DATE: 1995-04-01

NUMBER OF SEO ID NOS: 5

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 1

LENGTH: 207

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE: DNA Junction

RESULT 9 ; Three (TIMP-3) Composition and Methods
 US-08-134-231C-22 ; CORRESPONDENCE ADDRESS:
 Sequence 22, Application US/08134231C ; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunner
 Patent No. 6562596 ; STREET: 1300 I Street, N.W.
 Db 204 SQA 207 ; CITY: Washington
 ; STATE: District of Columbia
 ; COUNTRY: USA
 ; ZIP: 20005
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/134, 231C
 ; FILING DATE: 06-Oct-1993
 ; CLASSIFICATION: <Unknown>
 INFORMATION FOR SEQ ID NO: 22:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 206 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 24:
 ; US-08-134-231C-24
 Query Match 88.5%; Score 893; DB 4; Length 207;
 Best Local Similarity 87.0%; Pred. No. 2.6e-102; Mismatches 10; Indels 14; Gaps 0;
 Matches 160; Conservative 10; Mismatches 14; Indels 0; Gaps 0;
 1 CTCVPHPHQTFACNSDLVIRAKFVGPEVNQTYLORYEYRNTKTKGFGAQLGDAIDRF 60
 Db 24 CTCVPHPHQTFACNSDLVIRAKFVGPEVNQTYLORYEYRNTKTKGFGAQLGDAIDRF 83
 Qy 61 VYTPTAMESVCGYFRSHNRSEFLAGKLGQDGLHITTSFVAPNLSLAQRGFTKY 120
 Db 24 CTCVPHPHQTFACNSDLVIRAKFVGPEVNQTYLORYEYRNTKTKGFGAQLGDAIDRF 83
 Qy 61 VYTPTAMESVCGYFRSHNRSEFLAGKLGQDGLHITTSFVAPNLSLAQRGFTKY 120
 Db 84 VYTPTAMESVCGYSHKSQNRSRSEFLAGKLGQDGLHITTSFVAPNLSLAQRGFTKY 143
 Qy 121 TVGCSECTVPCLSIPCKLQSGTHCLWTDOLLSQSGKGFOSRHLACLPPRLGICTWQSLR 180
 Db 144 AAGCDMCTVFACASTIPCHIERSDTHICLWTDSSL-GSDKGFSRHLACLPQEPGLCAWEISR 202
 ;
 RESULT 11 ; Three (TIMP-3) Composition and Methods
 US-08-134-231C-25 ; CORRESPONDENCE ADDRESS:
 ; Sequence 25, Application US/08134231C ; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunner
 ; Patent No. 6562596 ; STREET: 1300 I Street, N.W.
 Db 204 SQA 207 ; CITY: Washington
 ; STATE: District of Columbia
 ; COUNTRY: USA
 ; ZIP: 20005
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/134, 231C
 ; FILING DATE: 06-Oct-1993
 ; CLASSIFICATION: <Unknown>
 INFORMATION FOR SEQ ID NO: 25:
 ; SEQUENCE CHARACTERISTICS:

LENGTH: 205 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 25:

US-08-134-231C-25

Query Match 75.5%; Score 761.5; DB 4; Length 205;
Best Local Similarity 73.7%; Pred. No. 4_8e-86;
Matches 132; Conservative 25; Mismatches 21; Indels 1; Gaps 1;

QY 1 CTCVPHPHQDNFCNSDVLVIRAKFVGTPENQTYLORYEIKMTKMGFOALGDAADIRF 60
Db 25 CSCAPPHQQTAFNCNSDVLVIRAKFVGTPENQTYLORYEIKMTKMGFOALGDAADIRF 64

QY 61 VVTPTAMSVCGFHRSHNRSEELFLAGKLDQGLHITCSFVAPWNSLSLAQRGGTKY 120
Db 85 AKTPVMESLCGVAKHSQNSRSEELFLIGRLRNLHTSACSTFVWPWRLSPAQQRASKY 144

121 TVGCEECTVFPCLSIPCKLQSGTHCLWTDQLLQGSEKGFOQSRLACLPREGLCTWQL 179
Db 145 SAGGGVCTVPCUSLICKLESPTHCLWTDQQLQVLGSE-DYQSKRFACDPRNFGCTWRSL 202

RESULT 12

US-09-452-817-2

; Sequence 2, Application US/09452-817

; Patent No. 6342374

; GENERAL INFORMATION:

; APPLICANT: Carmichael, David F

; APPLICANT: Anderson, David C

; APPLICANT: Stricklin, George P

; APPLICANT: Welgus, Howard G

; TITLE OF INVENTION: Human Collagenase Inhibitor, Recombinant Vector System

; TITLE OF INVENTION: For Using Same And Recombinant-DNA Method For

; TITLE OF INVENTION: Manufacture Of Same

; FILE REFERENCE: Serial No. 6342374 09/452-817

; CURRENT APPLICATION NUMBER: US/09/452,817

; CURRENT FILING DATE: 2001-06-22

; PRIOR APPLICATION NUMBER: 08/474,553

; PRIOR FILING DATE: 1995-06-07

; PRIOR APPLICATION NUMBER: 08/050,739

; PRIOR FILING DATE: 1993-04-21

; PRIOR APPLICATION NUMBER: 07/853,018

; PRIOR FILING DATE: 1992-03-18

; PRIOR APPLICATION NUMBER: 07/517,475

; PRIOR FILING DATE: 1990-05-01

; PRIOR APPLICATION NUMBER: 07/320,923

; PRIOR FILING DATE: 1989-03-08

; PRIOR APPLICATION NUMBER: 06/784,319

; PRIOR FILING DATE: 1981-10-04

; PRIOR APPLICATION NUMBER: 06/169,181

; PRIOR FILING DATE: 1985-02-05

; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn ver. 2.0
; SEQ ID NO: 2
; LENGTH: 106

; TYPE: PRT
; ORGANISM: Homo sapiens

US-09-452-817-2

Query Match 57.4%; Score 579; DB 4; Length 106;
Best Local Similarity 100.0%; Pred. No. 7e-64;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTCVPHPHQDNFCNSDVLVIRAKFVGTPENQTYLORYEIKMTKMGFOALGDAADIRF 60
Db 1 CTCVPHPHQDNFCNSDVLVIRAKFVGTPENQTYLORYEIKMTKMGFOALGDAADIRF 60

QY 61 VVTPTAMSVCGFHRSHNRSEELFLAGKLDQGLHITCSFVAPWN 106
Db 61 VVTPTAMSVCGFHRSHNRSEELFLAGKLDQGLHITCSFVAPWN 106

RESULT 13

US-08-134-231C-29

; Sequence 29, Application US/08134231C
; Patent No. 6362596

; GENERAL INFORMATION:

; APPLICANT: Silbiger, Scott M.

; Kostel, Raymond A.

; TITLE OF INVENTION: Tissue Inhibitor Metalloproteinase Type

; NUMBER OF SEQUENCES: 42 Three (TIMP-3) Composition and Methods

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunner

; STREET: 1300 I Street, N.W.

; CITY: Washington

; STATE: District of Columbia

; COUNTRY: USA

; ZIP: 20005

; COMPUTER READABLE FORM:

; MEDIUM TYPE: floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/134,231C

; FILING DATE: 06-Oct-1993

; CLASSIFICATION: <Unknown>

; INFORMATION FOR SEQ ID NO: 29:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 212 amino acids

; TOPOLGY: amino acid

; STRANDEDNESS: single

; MOLECULE TYPE: protein

; SEQUENCE DESCRIPTION: SEQ ID NO: 29:

US-08-134-231C-29

Query Match 37.8%; Score 381.5; DB 4; Length 212;
Best Local Similarity 40.1%; Pred. No. 5.3e-39;
Matches 71; Conservative 32; Mismatches 67; Indels 7; Gaps 4;

QY 1 CTCVPHPHQDNFCNSDVLVIRAKFVGTPENQTYLORYEIKMTKMGFOALGDAADIRF 59
Db 25 CTCVPHPHQDNFCNSDVLVIRAKVVKLMLDKGPGFTMRYVTKOMKMRGFOIM--PHVO 81

QY 60 VVTPTAMSVCGFHRSHNRSEELFLAGKLDQGLHITCSFVAPWN 119
Db 82 VVTPTAMSVCGFHRSHNRSEELFLAGKLDQGLHITCSFVAPWN 139

QY 120 VVTPTAMSVCGFHRSHNRSEELFLAGKLDQGLHITCSFVAPWN 176
Db 140 YHLGC-GCKIRCPVYLPCFATSKNOCWIDMLSNFGHSGHQAKIVIACIQRVEGVCSW 195

RESULT 14

US-08-134-231C-15

; Sequence 15, Application US/08134231C

; Patent No. 6362596

; GENERAL INFORMATION:

; APPLICANT: Silbiger, Scott M.

; Kostel, Raymond A.

; TITLE OF INVENTION: Tissue Inhibitor Metalloproteinase Type

; NUMBER OF SEQUENCES: 42 Three (TIMP-3) Composition and Methods

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunner

; STREET: 1300 I Street, N.W.

; CITY: Washington

; STATE: District of Columbia

; COUNTRY: USA

; ZIP: 20005

; COMPUTER READABLE FORM:

Page 7

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Parentin Release #1.0, V
ENT APPLICATION DATA:
APPLICATION NUMBER: US/08/134,231C
FILING DATE: 06-Oct--1993
CLASSIFICATION: <Unknown>
ON FOR SEQ ID NO: 15:
ENCE CHARACTERISTICS:

SEQUENCE CHARACTERISTICS:
 LENGTH: 211 amino acids
 TYPE: amino acid
 STRANGENESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 IMMEDIATE SOURCE:
 LIBRARY: METALLOPROTEINAS
 CLONE: TIMP-3

LENGTH: 198 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 15:
US-08-134-231C-15

Query	Match	Score	DB	Length
1st Local Atches	Similarity 73;	37.4%; Score 377.5;	DB 4;	Length 198;
QY	Conservative 40.8%; Pred. No. 1.5e-38;			
Db	Mismatches 33; Index 52;			
Oy	Gaps 11;			
Db				
Qy				
Db				
Oy				
Db				
Qy				
Db				
118	KTYTVCCEBCTVPPCISIPCKLQSGTHCLWDOLQGSEKGKFSOSRILACIIPREPCTW	57		
124	YRHLGC-NCKIKSCSYLPCVTSKQECILWTDMSLSPGYPYQSKRYACIRQKGGSW	176		
		181		

3-08-588-163-4 Application US/08588163
Sequence 4
Patent No. 5643752

GENERAL INFORMATION:

APPLICANT: Hawkins, Phillip R.

APPLICANT: Murty, Lynn E.

TITLE OF INVENTION: A NOVEL TISSUE INHIBITOR OF METALLOPROTEINASES

NUMBER OF SEQUENCES: 5

CORRESPONDENCE ADDRESS:

ADDRESSEE: Incyte Pharmaceuticals, Inc.

STREET: 3174 Porter Drive

CITY: Palo Alto

STATE: CA

COUNTRY: US

ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSEQ Version 1.5

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/588,163

FILING DATE: Herewith

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Luther, Barbara J.

REGISTRATION NUMBER: 33,954

REFERENCE/DOCKET NUMBER: PF-0053

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-855-0555

TELEX: 415-852-0195

TELEX:

INFORMATION FOR SEQ ID NO: 4:

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GenCore version 5.1.6
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OM protein - protein search, using SW model

Run on: July 25, 2003, 12:53:51 ; Search time 49.4171 Seconds
 (without alignments)
 442.191 Million cell updates/sec

Title: US-09-987-357-1

Perfect score: 1009
 Sequence: 1 CTCVPHPHQTAFCNSDLVIR.....ACLPREPLGCTWOSLRQQIA 184

Scoring table: BLOSUM62
 Gapext 10.0 , Gapext 0.5

Searched: 451899 seqs, 11875770 residues

Total number of hits satisfying chosen parameters: 451899

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 45 summaries

Database : Published Applications AA:*

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2: /cgm2_6/prodata/2/pubpa/US07_NEW_PUB.pep:*

3: /cgm2_6/prodata/2/pubpa/US06_PUBCOMB.pep:*

4: /cgm2_6/prodata/2/pubpa/US07_NEW_PUB.pep:*

5: /cgm2_6/prodata/2/pubpa/US07_NEW_PUB.pep:*

6: /cgm2_6/prodata/2/pubpa/PCUTS_PUBCOMB.pep:*

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11: /cgm2_6/prodata/2/pubpa/US09_PUBCOMB.pep:*

12: /cgm2_6/prodata/2/pubpa/US09_NEW_PUB.pep:*

13: /cgm2_6/prodata/2/pubpa/US10_PUBCOMB.pep:*

14: /cgm2_6/prodata/2/pubpa/US10_PUBCOMB.pep:*

15: /cgm2_6/prodata/2/pubpa/US10C_PUBCOMB.pep:*

16: /cgm2_6/prodata/2/pubpa/US10C_NEW_PUB.pep:*

17: /cgm2_6/prodata/2/pubpa/US60_PUBCOMB.pep:*

18: /cgm2_6/prodata/2/pubpa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	1009	100	184	Sequence 6, Appli
2	1009	100	207	Sequence 5, Appli
3	1009	100	580	Sequence 10, Appli
4	1009	100	15	Sequence 18, Appli
5	1005	99	580	Sequence 291, Appli
6	691	68	128	Sequence 24, Appli
7	682	67	127	Sequence 22, Appli
8	682	67	125	Sequence 14, Appli
9	682	67	15	Sequence 20, Appli
10	667	66	15	Sequence 1594, Appli
11	372	36	9	Sequence 4, Appli
12	369	36	14	Sequence 3, Appli
13	358	35	85	Sequence 1593, Appli
14	351	34	9	Sequence 2, Appli
15	348	224	US-09-901-904-2	
16	34.8	10	US-09-947-715-2	

RESULT 1
 US-10-025-514-6
 Sequence 6, Application US/10025514
 Publication No. US2003007217A1

GENERAL INFORMATION:

APPLICANT: Philip J. BARR

ATTORNEY: Helen GIBSON

APPLICANT: Philip PEMBERTON

TITLE OF INVENTION: MULTIFUNCTIONAL PROTEASE INHIBITORS AND

TITLE OF INVENTION: THEIR USE IN TREATMENT OF DISEASE

FILE REFERENCE: 368292000200

CURRENT APPLICATION NUMBER: US/10/025,514

CURRENT FILING DATE: 2002-04-03

PRIOR APPLICATION NUMBER: U.S. 60/256,699

PRIOR FILING DATE: 2000-12-18

PRIOR APPLICATION NUMBER: U.S. 60/331,966

NUMBER OF SEQ ID NOS: 33

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO: 6

LENGTH: 184

TYPE: PRT

ORGANISM: Homo sapiens

US-10-025-514-6

Query Match

100.0%

Score 1009; DB 15;

Length 184;

Best Local Similarity

100.0%;

Pred. No. 1.1e-103;

Mismatches 0;

Indels 0;

Gaps 0;

Matches 184;

Conservative

Qy

1

CTCVPHPHQTAFCNSDLVIRAKFVGTPENQNTIQYQRVKMVKMYKFOALGADRF

60

Db

1

CTCVPHPHQTAFCNSDLVIRAKFVGTPENQNTIQYQRVKMVKMYKFOALGADRF

60

Qy

61

VYPAMESVGYFRSHNSSEFLTAGKQDGLHLHTCSVAPWNISLAQRGGFTKTY

120

Db

61

VYPAMESVGYFRSHNSSEFLTAGKQDGLHLHTCSVAPWNISLAQRGGFTKTY

120

Qy

121

TVGCBECTVPPCUSIPCKLQUSGTHCLWTDQLOGSEKFRQSRHLACLREPGLCTWOSLR

180

RESULT 2
US-10-116-064-5
; Sequence 5, Application US/10116064
; Publication No. US20020115187A1
; GENERAL INFORMATION:
; APPLICANT: GREENE, JOHN M
; ROSEN, CRAIG
; TITLE OF INVENTION: HUMAN TISSUE INHIBITOR OF METALLOPROTEINASE-4
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HUMAN GENOME SCIENCES, INC.
; STREET: 9410 KEY WEST AVE
; CITY: ROCKVILLE
; STATE: MD
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/116,064
; FILING DATE: 05-FEB-2002
; CLASSIFICATION: <Unknown>
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 09/262,087
; FILING DATE: 04-MAR-1999
; APPLICATION NUMBER: PCT/US94/14498
; FILING DATE: 13-FEB-1994
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 207 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
; US-10-116-064-5

Query Match 100.0%; Score 1009; DB 14; Length 207;
Best Local Similarity 100.0%; Pred. No. 1.2e-103; Gaps 0;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTCVPHPHQTAFCNSDLVIRAKEVGTPEVNQTYLQRVEIKMTKMYKGFOAQGDAADTRP 60
Db 2 CTCVPHPHQTAFCNSDLVIRAKEVGTPEVNQTYLQRVEIKMTKMYKGFOAQGDAADTRP 61
QY 61 VYPAMVESVCGYFHRSHNRSEBPLIAGKLUQDGLHITTCFSFAPWNSLSLAORGFTKY 120
Db 62 VYPAMVESVCGYFHRSHNRSEBPLIAGKLUQDGLHITTCFSFAPWNSLSLAORGFTKY 121
QY 121 TVGCEECVPPCISIPCKLQSGHICLWDQLOGSEKGFOQSHLACPREPGCTWOSLR 180
Db 122 TVGCEECVPPCISIPCKLQSGHICLWDQLOGSEKGFOQSHLACPREPGCTWOSLR 181
QY 181 SQIA 184
Db 182 SQIA 185.

RESULT 4
US-10-025-514-18
; Sequence 18, Application US/10025114
; Publication No. US20030073217A1
; GENERAL INFORMATION:
; APPLICANT: Philip J. BAIR
; APPLICANT: Helen GIBSON
; APPLICANT: Philip PEMBERTON
; TITLE OF INVENTION: MULTIFUNCTIONAL PROTEASE INHIBITORS AND THEIR USE IN TREATMENT OF DISEASE
; TITLE OF INVENTION: THEIR USE IN TREATMENT OF DISEASE
; FILE REFERENCE: 3:08:920200200
; CURRENT APPLICATION NUMBER: US/10/025,514
; CURRENT FILING DATE: 2002-04-03
; PRIOR APPLICATION NUMBER: U.S. 60/256,699
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: U.S. 60/331,966
; PRIOR FILING DATE: 2001-11-20
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 580
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-025-514-18

Query Match 100.0%; Score 1009; DB 15; Length 580;
Best Local Similarity 100.0%; Pred. No. 4.7e-103; Gaps 0;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTCVPHPHQTAFCNSDLVIRAKEVGTPEVNQTYLQRVEIKMTKMYKGFOAQGDAADTRP 60

RESULT 5
US-03-731-872-291
; Sequence 291, Application US/09731872
; Patent No. US20020102604A1
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, Jean Baptiste
; APPLICANT: Bougnieret, Lydie
; APPLICANT: Joberet, Severin
; TITLE OF INVENTION: FULL-LENGTH HUMAN CDNA'S ENCODING POTENTIALLY SECRETED PROTEINS
; FILE REFERENCE: 78.US. REG
; CURRENT APPLICATION NUMBER: US/09/731,872
; CURRENT FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/169,629
; PRIOR FILING DATE: 1999-12-08
; PRIOR FILING DATE: 2000-03-06
; NUMBER OF SEQ ID NOS: 482
; SOFTWARE: Patent-pm
; SEQ ID NO: 291
; LENGTH: 207
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -23..-1
; US-03-731-872-291

Query Match 99.6%; Score 1005; DB 10; Length 207;
Best Local Similarity 99.5%; Pred. No. 3..5e-103; Mismatches 0; Indels 0; Gaps 0;
Matches 183; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 CTCVPPHPQTAFCNSDLVIRAKFVGTPPEVNQNTLYQRYEIKMTKMYKGFOALGDAADRF 60
Db 24 CTCVPPHPQTAFCNSDLVIRAKFVGTPPEVNQNTLYQRYEIKMTKMYKGFOALGDAADRF 60
Qy 61 VYTPAMESVCGYFHRSHNRSEEFILAGKLQDGHLHTCSFVAPWNSLSLAQRGFTKY 120
Db 62 VYTPAMESVCGYFHRSHNRSEEFILAGKLQDGHLHTCSFVAPWNSLSLAQRGFTKY 121

Qy 121 TVGCBC 127
Db 122 TVGCBC 128

RESULT 6
US-10-025-514-24
; Sequence 24, Application US/10025514
; Publication No. US2003007321A1
; GENERAL INFORMATION:
; APPLICANT: Philip J. BARR
; APPLICANT: Helen GIBSON
; APPLICANT: Philip PEMBERTON
; TITLE OF INVENTION: THEIR USE IN TREATMENT OF DISEASE
; FILE REFERENCE: 368292000200
; CURRENT APPLICATION NUMBER: US/10/025, 514
; CURRENT FILING DATE: 2002-04-03
; PRIOR APPLICATION NUMBER: U.S. 60/256, 699
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: U.S. 60/331, 966
; PRIOR FILING DATE: 2001-11-20
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 22
; LENGTH: 127
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-025-514-22

Query Match 67.6%; Score 682; DB 15; Length 127;
Best Local Similarity 100.0%; Pred. No. 1e-67; Mismatches 0; Indels 0; Gaps 0;
Matches 126; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTCVPPHPQTAFCNSDLVIRAKFVGTPPEVNQNTLYQRYEIKMTKMYKGFOALGDAADRF 60
Db 2 CTCVPPHPQTAFCNSDLVIRAKFVGTPPEVNQNTLYQRYEIKMTKMYKGFOALGDAADRF 61
Qy 61 VYTPAMESVCGYFHRSHNRSEEFILAGKLQDGHLHTCSFVAPWNSLSLAQRGFTKY 120
Db 62 VYTPAMESVCGYFHRSHNRSEEFILAGKLQDGHLHTCSFVAPWNSLSLAQRGFTKY 121

Qy 121 TVGCBC 126
Db 122 TVGCBC 127

RESULT 7
US-10-025-514-22
; Sequence 22, Application US/10025514
; Publication No. US2003007321A1
; GENERAL INFORMATION:
; APPLICANT: Philip J. BARR
; APPLICANT: Helen GIBSON
; APPLICANT: Philip PEMBERTON
; TITLE OF INVENTION: MULTIFUNCTIONAL PROTEASE INHIBITORS AND
; FILE REFERENCE: 368292000200
; CURRENT APPLICATION NUMBER: US/10/025, 514
; CURRENT FILING DATE: 2002-04-03
; PRIOR APPLICATION NUMBER: U.S. 60/256, 699
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: U.S. 60/331, 966
; PRIOR FILING DATE: 2001-11-20
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 22
; LENGTH: 127
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-025-514-22

Query Match 67.6%; Score 682; DB 15; Length 127;
Best Local Similarity 100.0%; Pred. No. 1e-67; Mismatches 0; Indels 0; Gaps 0;
Matches 126; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTCVPPHPQTAFCNSDLVIRAKFVGTPPEVNQNTLYQRYEIKMTKMYKGFOALGDAADRF 60
Db 2 CTCVPPHPQTAFCNSDLVIRAKFVGTPPEVNQNTLYQRYEIKMTKMYKGFOALGDAADRF 61
Qy 61 VYTPAMESVCGYFHRSHNRSEEFILAGKLQDGHLHTCSFVAPWNSLSLAQRGFTKY 120
Db 62 VYTPAMESVCGYFHRSHNRSEEFILAGKLQDGHLHTCSFVAPWNSLSLAQRGFTKY 121

Qy 121 TVGCBC 126
Db 122 TVGCBC 127

LOCATION: (25)
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 NAME/KEY: SITE
 LOCATION: (31)
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 NAME/KEY: SITE
 LOCATION: (33)
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 NAME/KEY: SITE
 LOCATION: (47)
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 NAME/KEY: SITE
 LOCATION: (56)
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 NAME/KEY: SITE
 LOCATION: (60)
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 NAME/KEY: SITE
 LOCATION: (62)
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 NAME/KEY: SITE
 LOCATION: (79)
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 US-09-925-301-1593

Query Match 35.5%; Score 358; DB 9; Length 85;
 Best Local Similarity 87.2%; Pred. No. 4-3e-32; Matches 68; Conservative 0; Mismatches 10; Indels 0; Gaps 0;
 Qy 107 SLSLAQRGFTKTYTVGCECTVFPCLSPCKLQSQSGTHCLWTDQMLQGSEKQFOSRHLAC 166
 Db 8 SLSLAQRGFTKTYTVGCECTVFPCLSPCKLQSQSGTHCLWTDQMLQGSEKQFOSRHLAC 67

Qy 167 LRREPGIQTWSLRSQIA 184
 Db 68 LRREPGIQTWSLRSQIA 85

RESULT 14
 US-09-901-904-2 Application US/09901904
 ; Sequence 2, Application US/09901904
 ; Patent No. US2002005518A1
 ; GENERAL INFORMATION:
 APPLICANT: Greene et al.
 TITLE OF INVENTION: Human Tissue Inhibitor of Metalloproteinase-4
 FILE REFERENCE: PTL48P2
 CURRENT APPLICATION NUMBER: US/09/901,904
 CURRENT FILING DATE: 2001-07-11
 PRIOR APPLICATION NUMBER: PCT/US00/06279
 PRIOR FILING DATE: 2000-03-13
 PRIOR APPLICATION NUMBER: 09/266,424
 NUMBER OF SEQ ID NOS: 3
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 2
 LENGTH: 224
 TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-947-715-2

Query Match 34.8%; Score 351; DB 10; Length 224;
 Best Local Similarity 36.6%; Pred. No. 8.9e-31; Matches 67; Conservative 33; Mismatches 71; Indels 12; Gaps 5;
 Matches 67; Conservative 33; Mismatches 71; Indels 12; Gaps 5;

Qy 1 CTCVPHPRQAFCNDSLIVRAKF----VGTPEVNQNTIQREIKMVKYKGFOALGD 54
 Db 30 CSCAPAHPOHQICHALVTEAKISSEKKVVPASADPADTEKMRVYEIKOMKPKFEKV-- 87

Qy 55 AADIRVVTPAMESVCGYFHRSHNSEEFLJAGK-LQDGJLHITCSFVAPWNSLSLAOR 113
 Db 88 -KDQVYIYTDPDSSILCG-VKLEANSQKQVLITQGSKVIFHICNYTEPWELSLIVQR 145

Qy 114 RGFTKTYTVGCECTVFPCLSPCKLQSQSGTHCLWTDQMLQGSEKQFOSRHLAC/PREPGL 173
 Db 146 ESLNNHHHLNC-GCQITTCVTPCTISAPENECLWIDWLLERKLYQAOHYVCMKHVDGT 204

Qy 174 CTW 176
 Db 205 CSW 207

Query Match 34.8%; Score 351; DB 9; Length 224;
 Best Local Similarity 36.6%; Pred. No. 8.9e-31; Matches 67; Conservative 33; Mismatches 71; Indels 12; Gaps 5;
 NUMBER OF SEQ ID NOS: 8
 SOFTWARE: PatentIn version 3.0
 SEQ ID NO 2
 LENGTH: 224
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-901-904-2

Query Match 34.8%; Score 351; DB 9; Length 224;
 Best Local Similarity 36.6%; Pred. No. 8.9e-31; Matches 67; Conservative 33; Mismatches 71; Indels 12; Gaps 5;

Qy 1 CTCVPHPRQAFCNDSLIVRAKF----VGTPEVNQNTIQREIKMVKYKGFOALGD 54
 Db 30 CSCAPAHPOHQICHALVTEAKISSEKKVVPASADPADTEKMRVYEIKOMKPKFEKV-- 87

Search completed: July 25, 2003, 13:08:11
 Job time : 51.4171 secs

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OM protein - protein search, using sw model

Run on: July 25, 2003, 12:38:05 ; Search time 14.2343 Seconds

(without alignments)
 315.081 Million cell updates/sec

Title: US-09-987-357-2
 Perfect score: 579
 Sequence: 1 CTCVPPPHQTAFCNSDLVIR.....GKLQDGHLHITCSFVAPWN 106

Scoring table: BLOSUM62
 Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 4231058 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
 Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

1: /cgn2_6/prodata/1/aa/5A_COMB_pep:*

2: /cgn2_6/prodata/1/aa/5B_COMB_pep:*

3: /cgn2_6/prodata/1/aa/6A_COMB_pep:*

4: /cgn2_6/prodata/1/aa/6B_COMB_pep:*

5: /cgn2_6/prodata/1/aa/PCITS_COMB_pep:*

6: /cgn2_6/prodata/1/aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No. Score Query %
 Match Length DB ID

Description

Result No.	Score	Query	%	Match Length	DB ID	Description
1	579	100.0	106	4	US-09-452-817-2	Sequence 2, Appli
2	579	100.0	184	4	US-09-452-817-1	Sequence 1, Appli
3	579	100.0	207	1	US-08-588-163-5	Sequence 5, Appli
4	579	100.0	207	2	US-09-111-004-5	Sequence 4, Appli
5	579	100.0	207	4	US-08-849-764C-5	Sequence 5, Appli
6	579	100.0	207	4	US-09-262-087-5	Sequence 5, Appli
7	579	100.0	207	4	US-08-463-201B-11	Sequence 11, Appli
8	579	100.0	207	4	US-09-540-530-1	SEQUENCE 1, Appli
9	579	100.0	207	4	US-08-134-231C-23	SEQUENCE 23, Appli
10	508	87.7	207	4	US-08-134-231C-22	SEQUENCE 22, Appli
11	507	87.7	206	4	US-08-134-231C-24	SEQUENCE 24, Appli
12	458	79.1	205	4	US-08-134-231C-25	SEQUENCE 25, Appli
13	404	79.1	220	1	US-08-588-163-3	SEQUENCE 3, Appli
14	234	40.4	220	1	US-09-111-070-3	SEQUENCE 1, Appli
15	234	40.4	220	4	US-09-540-530-2	SEQUENCE 2, Appli
16	234	40.4	220	4	US-08-134-231C-27	SEQUENCE 27, Appli
17	233	40.2	171	4	US-08-134-231C-28	SEQUENCE 28, Appli
18	227	39.2	220	4	US-08-134-231C-26	SEQUENCE 26, Appli
19	226	39.0	218	4	US-08-849-764C-3	SEQUENCE 3, Appli
20	226	39.0	218	4	US-09-262-087-3	SEQUENCE 3, Appli
21	226	39.0	218	4	US-08-463-201B-9	SEQUENCE 9, Appli
22	37.7	212	4	US-08-134-231C-29	SEQUENCE 29, Appli	
23	37.1	198	4	US-08-134-231C-15	SEQUENCE 15, Appli	
24	37.1	211	1	US-08-588-163-4	SEQUENCE 4, Appli	
25	37.1	211	2	US-09-111-070-4	SEQUENCE 4, Appli	
26	37.1	211	4	US-09-540-530-3	SEQUENCE 3, Appli	
27	37.1	211	4	US-08-134-231C-13	SEQUENCE 13, Appli	

ALIGNMENTS

RESULT 1
 US-09-452-817-2
 ; Sequence 2, Application US/09452817
 ; Patent No. 6342374
 ; GENERAL INFORMATION:
 ; APPLICANT: Carmichael, David F
 ; APPLICANT: Stricklin, George P
 ; APPLICANT: Weigel, Howard G
 ; TITLE OF INVENTION: Human Collagenase Inhibitor, Recombinant Vector System
 ; TITLE OF INVENTION: Using Same And Recombinant-DNA Method For
 ; TITLE OF INVENTION: Manufacture Of Same
 ; FILE REFERENCE: Serial No. 6342374 09/452,817
 ; CURRENT APPLICATION NUMBER: US/09/452,817
 ; CURRENT FILING DATE: 2001-06-22
 ; PRIOR APPLICATION NUMBER: 08/474,553
 ; PRIOR FILING DATE: 1995-06-07
 ; PRIOR APPLICATION NUMBER: 08/050,739
 ; PRIOR FILING DATE: 1993-04-21
 ; PRIOR APPLICATION NUMBER: 07/853,018
 ; PRIOR FILING DATE: 1992-03-18
 ; PRIOR APPLICATION NUMBER: 07/517,475
 ; PRIOR FILING DATE: 1990-05-01
 ; PRIOR APPLICATION NUMBER: 07/320,923
 ; PRIOR APPLICATION NUMBER: 1989-03-08
 ; PRIOR FILING DATE: 1985-10-04
 ; PRIOR APPLICATION NUMBER: 06/784,319
 ; PRIOR FILING DATE: 1985-02-05
 ; NUMBER OF SBQ ID NOS: 20
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 2
 ; LENGTH: 106
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens

Query Match 100.0%; Score 579; DB 4; Length 106;
 Best Local Similarity 100.0%; Pred. No. 4.e-71; Mismatches 0; Indels 0; Gaps 0;
 Matches 105; Conservative 0; Sequence 3, Appli
 QY 1 CTCVPPPHQTAFCNSDLVIRAKFVGTPEVNQTLKQRYETKMTKMYKGFOALGAADRF 60
 DB 1 CTCVPPPHQTAFCNSDLVIRAKFVGTPEVNQTLKQRYETKMTKMYKGFOALGAADRF 60
 QY 61 VYTPAMESVCGYFRSHNSSEFLTAGKQDGLHLHITCSFVAPWN 106
 DB 61 VYTPAMESVCGYFRSHNSSEFLTAGKQDGLHLHITCSFVAPWN 106

RESULT 2
US-09-452-817-1
; Sequence 1; Application US/09452817
; Patent No. 6,343,74
; GENERAL INFORMATION:
; APPLICANT: Carmichael, David F
; APPLICANT: Anderson, David C
; APPLICANT: Stricklin, George P
; APPLICANT: Welgus, Howard G
; TITLE OF INVENTION: Human Collagenase Inhibitor, Recombinant Vector System
; TITLE OF INVENTION: For Using Same And Recombinant-DNA Method For
; TITLE OF INVENTION: Manufacture Of Same
FILE REFERENCE: Serial No. 6342374 09/452,817
CURRENT APPLICATION NUMBER: US/09/452,817
CURRENT FILING DATE: 2001-05-22
PRIORITY APPLICATION NUMBER: 08/474,553
PRIORITY APPLICATION NUMBER: 08/050,739
PRIORITY FILING DATE: 1993-04-21
PRIORITY APPLICATION NUMBER: 07/853,018
PRIORITY FILING DATE: 1992-03-18
PRIORITY APPLICATION NUMBER: 07/517,475
PRIORITY FILING DATE: 1990-05-01
PRIORITY APPLICATION NUMBER: 07/320,923
PRIORITY FILING DATE: 1989-03-08
PRIORITY APPLICATION NUMBER: 06/784,319
PRIORITY FILING DATE: 1988-10-04
PRIORITY APPLICATION NUMBER: 06/699,181
PRIORITY FILING DATE: 1985-02-05
NUMBER OF SEQ ID NOS: 20
; LENGTH: 184
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-452-817-1

Query Match 100.0%; Score 579; DB 4; Length 184;
Best Local Similarity 100.0%; Pred. No. 9.7e-71; Mismatches 0; Indels 0; Gaps 0;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTCVPPHPQTACNSDLVIRAKFVGIPPEVNQTLTYQRYEIKNTKMYKGFOALGDAADIRF 60
Db 1 CTCVPPHPQTACNSDLVIRAKFVGIPPEVNQTLTYQRYEIKNTKMYKGFOALGDAADIRF 60
QY 61 VYTPTAMESVCGYFHRSHNRSEFFLAGKLQDGGLHITTCSFVAPWN 106
Db 61 VYTPTAMESVCGYFHRSHNRSEFFLAGKLQDGGLHITTCSFVAPWN 106
QY 61 VYTPTAMESVCGYFHRSHNRSEFFLAGKLQDGGLHITTCSFVAPWN 106
Db 84 VYTPTAMESVCGYFHRSHNRSEFFLAGKLQDGGLHITTCSFVAPWN 129

RESULT 3
US-09-588-163-5
; Sequence 5; Application US/08588163
; Patent No. 5,643,752
; GENERAL INFORMATION:
; APPLICANT: Hawkins, Phillip R.
; APPLICANT: Murry, Lynn E.
; TITLE OF INVENTION: A NOVEL TISSUE INHIBITOR OF
; NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: US
; ZIP: 94304
COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/111,070
FILING DATE:
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/588,163
FILING DATE:
; ATTORNEY/AGENT INFORMATION:
NAME: Luther, Barbara J.
REGISTRATION NUMBER: 33,954
REFERENCE NUMBER: PF-0053
REFEEENCE/DOCKET NUMBER: PF-0053

APPLICATION NUMBER: US/08/588,163
FILING DATE: Herrwith
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
; ATTORNEY/AGENT INFORMATION:
NAME: Luther, Barbara J.
REGISTRATION NUMBER: 33,954
REFERENCE/DOCKET NUMBER: PF-0053
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-835-0555
TELEFAX: 415-852-0195
TELEX:
; INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 207 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
LIBRARY: METALLOPROTEINASES
CLONE: TIMP-1
US-08-588-163-5

Query Match 100.0%; Score 579; DB 1; Length 207;
Best Local Similarity 100.0%; Pred. No. 1.1e-70; Mismatches 0; Indels 0; Gaps 0;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTCVPPHPQTACNSDLVIRAKFVGIPPEVNQTLTYQRYEIKNTKMYKGFOALGDAADIRF 60
Db 24 CTCVPPHPQTACNSDLVIRAKFVGIPPEVNQTLTYQRYEIKNTKMYKGFOALGDAADIRF 83
QY 61 VYTPTAMESVCGYFHRSHNRSEFFLAGKLQDGGLHITTCSFVAPWN 106
Db 61 VYTPTAMESVCGYFHRSHNRSEFFLAGKLQDGGLHITTCSFVAPWN 106

TELEPHONE: 415-855-0555
 TELEFAX: 415-852-0195
 TELEX:
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 207 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 IMMEDIATE SOURCE:
 LIBRARY: METALLOPROTEINASES
 CLONE: TMP-1
 US-09-111-070-5

Query Match 100.0%; Score 579; DB 2; Length 207;
 Best Local Similarity 100.0%; Pred. No. 1.1e-70; Mismatches 0; Indels 0; Gaps 0;
 Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 CTCVPHPQPAFCNSDLVIRAKFVGTPENOTIYQRKIKMTKMYKFOALGDAADRF 60
 Db 24 CTCVPHPQPAFCNSDLVIRAKFVGTPENOTIYQRKIKMTKMYKFOALGDAADRF 83

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Sequence 5, Application US/09262087
 Paten No. 639183
 GENERAL INFORMATION:
 APPLICANT: GREENE, JOHN M
 APPLICANT: ROSEN, CRAIG
 TITLE OF INVENTION: HUMAN TISSUE INHIBITOR OF METALLOPROTEINASE-4
 NUMBER OF SEQUENCES: 11
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: HUMAN GENOME SCIENCES, INC.
 STREET: 9410 KEY WEST AVENUE
 CITY: ROCKVILLE
 STATE: MD
 COUNTRY: USA
 ZIP: 20850

COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patientin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/262,087
 FILING DATE: 04-MAR-1999
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/463,261
 FILING DATE: 05-JUN-1995
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: PCT/US94/14498
 FILING DATE: 13-FEB-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: A. ANDERS BROOKES
 REGISTRATION NUMBER: 36,373
 REFERENCE/DOCKET NUMBER: PP148P1D1
 TELECOMMUNICATION/ INFORMATION:
 TELEPHONE: 301-309-8504
 TELEFAX: 301-309-8439
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 207 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-09-262-087-5

Query Match 100.0%; Score 579; DB 4; Length 207;
 Best Local Similarity 100.0%; Pred. No. 1.1e-70; Mismatches 0; Indels 0; Gaps 0;
 Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 CTCVPHPQPAFCNSDLVIRAKFVGTPENOTIYQRKIKMTKMYKFOALGDAADRF 60
 Db 24 CTCVPHPQPAFCNSDLVIRAKFVGTPENOTIYQRKIKMTKMYKFOALGDAADRF 83

Qy 61 VYTPTAMESVCGYFHRSHNRSEELFLIAGKUQDGULHITCSFVAPWN 106
 Db 84 VYTPTAMESVCGYFHRSHNRSEELFLIAGKUQDGULHITCSFVAPWN 129

RESULT 5
 US-08-849-764C-5
 Sequence 5, Application US/08849-764C
 Patent No. 639310
 GENERAL INFORMATION:
 APPLICANT: GREENE, JOHN M
 APPLICANT: ROSEN, CRAIG
 TITLE OF INVENTION: HUMAN TISSUE INHIBITOR OF METALLOPROTEINASE-4
 NUMBER OF SEQUENCES: 11
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: HUMAN GENOME SCIENCES, INC.
 STREET: 9410 KEY WEST AVENUE
 CITY: ROCKVILLE
 STATE: MD
 COUNTRY: USA
 ZIP: 20850
 COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patientin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/262,087
 FILING DATE: 04-MAR-1999
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/463,261
 FILING DATE: 05-JUN-1995
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: PCT/US94/14498
 FILING DATE: 13-FEB-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: A. ANDERS BROOKES
 REGISTRATION NUMBER: 36,373
 REFERENCE/DOCKET NUMBER: PP148P1D1
 TELECOMMUNICATION/ INFORMATION:
 TELEPHONE: 301-309-8504
 TELEFAX: 301-309-8439
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 207 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-09-262-087-5

Query Match 100.0%; Score 579; DB 4; Length 207;
 Best Local Similarity 100.0%; Pred. No. 1.1e-70; Mismatches 0; Indels 0; Gaps 0;
 Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 CTCVPHPQPAFCNSDLVIRAKFVGTPENOTIYQRKIKMTKMYKFOALGDAADRF 60
 Db 24 CTCVPHPQPAFCNSDLVIRAKFVGTPENOTIYQRKIKMTKMYKFOALGDAADRF 83

Qy 61 VYTPTAMESVCGYFHRSHNRSEELFLIAGKUQDGULHITCSFVAPWN 106
 Db 84 VYTPTAMESVCGYFHRSHNRSEELFLIAGKUQDGULHITCSFVAPWN 129

Query Match 100.0%; Score 579; DB 4; Length 207;
 Best Local Similarity 100.0%; Pred. No. 1.1e-70; Mismatches 0; Indels 0; Gaps 0;

RESULT 7

US-08-463-261B-11
; Sequence 11, Application US/08463261B
; Patent No. 654842
; GENERAL INFORMATION:
; APPLICANT: John M. Greene and Craig A. Rosen
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/463,261B
; FILING DATE: 05-JUN-1995
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/14498
; FILING DATE: 13-DEC-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: KENLEY K. HOOVER
; REGISTRATION NUMBER: 40,302
; REFERENCE/DOCKET NUMBER: PFR48P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 301-610-5790
; TELEFAX: 301-610-8439
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 207 AMINO ACIDS
; TYPE: AMINO ACID
; STRANDEDNESS:
; TOPOLOGY: LINEAR
; MOLECULE TYPE: PROTEIN
; US-08-463-261B-11

RESULT 9
US-08-134-231C-23
; Sequence 23, Application US/08134231C
; Patent No. 656295
; GENERAL INFORMATION:
; APPLICANT: Silbiger, Scott M.
; Kostki, Raymond A.
; TITLE OF INVENTION: Tissue Inhibitor Metalloproteinase Type
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finegan, Henderson, Farabow, Garrett & Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: District of Columbia
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/134-231C
; FILING DATE: 05-OCT-1993
; CLASSIFICATION: <Unknown>
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 207 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 23:
; US-08-134-231C-23

Query Match 100.0%; Score 579; DB 4; Length 207;
Best Local Similarity 100.0%; Pred. No. 1.1e-70; 0; Indels 0; Gaps 0;
Matches 106; Conservative 0; Mismatches 0;
Indels 0; Gaps 0;

Qy 1 CTCVPHPHQTAFCNSDLVIRAKFVTPPEVNOTTYQRVEIKMTKMGFOALGDAADIRF 60
Db 24 CTCVPHPHQTAFCNSDLVIRAKFVTPPEVNOTTYQRVEIKMTKMGFOALGDAADIRF 83

Qy 61 VYTPAMESVCGYFHRSHNRSEBFLIAGKQDGLLHITTSFVAPWN 106
Db 84 VYTPAMESVCGYFHRSHNRSEBFLIAGKQDGLLHITTSFVAPWN 129

RESULT 8
US-08-540-530-1
; Sequence 1, Application US/08540530
; Patent No. 6534635
; GENERAL INFORMATION:
; APPLICANT: Miyazaki, Kaoru
; APPLICANT: Miyazaki, Kaoru
; APPLICANT: Miyazaki, Kaoru
; TITLE OF INVENTION: MODIFIED TIMP
; FILE REFERENCE: 159-57
; CURRENT APPLICATION NUMBER: US/08/540,530
; CURRENT FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: JP 95142/1999
; PRIOR FILING DATE: 1999-04-01
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 1
; LENGTH: 207
; TYPE: PRT

RESULT 10
US-08-134-231C-22
; Sequence 22, Application US/08134231C
; Patent No. 656296
; GENERAL INFORMATION:
; APPLICANT: Silbiger, Scott M.

APPLICANT: Hawkins, Phillip R.
 APPLICANT: Murry, Lynn E.
 TITLE OF INVENTION: A NOVEL TISSUE INHIBITOR OF
 TITLE OF INVENTION: METALLOPROTEINASES
 NUMBER OF SEQUENCES: 5
 CORRESPONDENCE ADDRESS:
 ADDRESSE: Incyte Pharmaceuticals, Inc.
 STREET: 3174 Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: US
 ZIP: 94304
 COMPUTER READABLE FORM:
 COMPUTER TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ Version 1.5
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/111,070
 FILING DATE:
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Luther, Barbara J.
 REGISTRATION NUMBER: 33,954
 REFERENCE/DOCKET NUMBER: PR-0053
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-855-0555
 TELEX: 415-852-0195
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 220 amino acids
 STRANDEDNESS: single
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 IMMEDIATE SOURCE:
 LIBRARY: METALLOPROTEINASES
 CLONE: TIMP-2
 US-09-588-163-3

Query Match 40.4%; Score 234; DB 1; Length 220;
 Best Local Similarity 44.7%; Pred. No. 1.2e-23;
 Matches 51; Conservative 15; Mismatches 34; Indels 14; Gaps 5;
 STRANDEDNESS: single
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 IMMEDIATE SOURCE:
 LIBRARY: METALLOPROTEINASES
 CLONE: TIMP-2
 US-09-111-070-3

Query Match 40.4%; Score 234; DB 2; Length 220;
 Best Local Similarity 44.7%; Pred. No. 1.2e-23;
 Matches 51; Conservative 15; Mismatches 34; Indels 14; Gaps 5;
 STRANDEDNESS: single
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 IMMEDIATE SOURCE:
 LIBRARY: METALLOPROTEINASES
 CLONE: TIMP-2
 US-09-540-530-2

Query Match 40.4%; Score 234; DB 2; Length 220;
 Best Local Similarity 44.7%; Pred. No. 1.2e-23;
 Matches 51; Conservative 15; Mismatches 34; Indels 14; Gaps 5;
 STRANDEDNESS: single
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 IMMEDIATE SOURCE:
 LIBRARY: METALLOPROTEINASES
 CLONE: TIMP-2
 US-09-540-530-2

Query Match 40.4%; Score 234; DB 4; Length 220;
 Best Local Similarity 44.7%; Pred. No. 1.2e-23;
 Matches 51; Conservative 15; Mismatches 34; Indels 14; Gaps 5;

RESULT 14
 US-09-111-070-3
 ; Sequence 3, Application US/09111070
 ; General Information:
 ; Applicant: Hawkins, Phillip R.
 ; Title of Invention: A NOVEL TISSUE INHIBITOR OF
 ; Title of Invention: METALLOPROTEINASES
 ; Number of Sequences: 5
 ; Correspondence Address:
 ; Addressee: Incyte Pharmaceuticals, Inc.
 ; Street: 3174 Porter Drive
 ; City: Palo Alto
 ; State: CA
 ; Country: US

ZIP: 94304
 COMPUTER READABLE FORM:
 COMPUTER TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ Version 1.5
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/111,070
 FILING DATE:
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/588,163
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Luther, Barbara J.
 REGISTRATION NUMBER: 33,954
 REFERENCE/DOCKET NUMBER: PR-0053
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-855-0555
 TELEX: 415-852-0195
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 220 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 IMMEDIATE SOURCE:
 LIBRARY: METALLOPROTEINASES
 CLONE: TIMP-2
 US-09-111-070-3

Query Match 40.4%; Score 234; DB 1; Length 220;
 Best Local Similarity 44.7%; Pred. No. 1.2e-23;
 Matches 51; Conservative 15; Mismatches 34; Indels 14; Gaps 5;
 STRANDEDNESS: single
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 IMMEDIATE SOURCE:
 LIBRARY: METALLOPROTEINASES
 CLONE: TIMP-2
 US-09-540-530-2

Query Match 40.4%; Score 234; DB 2; Length 220;
 Best Local Similarity 44.7%; Pred. No. 1.2e-23;
 Matches 51; Conservative 15; Mismatches 34; Indels 14; Gaps 5;
 STRANDEDNESS: single
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 IMMEDIATE SOURCE:
 LIBRARY: METALLOPROTEINASES
 CLONE: TIMP-2
 US-09-540-530-2

Query Match 40.4%; Score 234; DB 4; Length 220;
 Best Local Similarity 44.7%; Pred. No. 1.2e-23;
 Matches 51; Conservative 15; Mismatches 34; Indels 14; Gaps 5;

QY 1 CTCVPPRQFCNSDLVIRAKFVGPRBNG-TTLQ-----REIKMTPNYKSFQALG 53
| : | || | : | | : | | : | | : | | : | | : | | : | | : | | : | |
Db 27 GSCSPVHPQOFCNADVIRAKAVSRKEVDGNDIYGNPIRKIQEIKQIKMF-----G 81
QY 54 DADIRFVYTIPAMESUCGYFRSHNRSEFFIAGKQ-DGLHHTCSFWAPWN 106
| | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 82 PEKDIEFIYAPSSAVCG-VSLDVGKKEYLIIAGKAEGDGOMHITLCDFTIVPWD 134

Search completed: July 25, 2003, 12:54:57
Job time : 15.2343 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on:

July 25, 2003, 12:53:51 ; Search time 28.4686 Seconds

(Without alignments)

442.191 Million cell updates/sec

Title: US-09-987-357-2
Perfect score: 579
Sequence: 1 CTCVPPHPQTAFCNSDLVIR.....GKLODGGLIHLITCSFVAPWN 106

Scoring table: BL05IM62

Gapop 10.0 , Gapext 0.5

Searched: 451899 seqs, 11875770 residues

Total number of hits satisfying chosen parameters: 451899

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:
1: /cgnd_6/prodata/2/pbpaa/us07_PUBCOMB.pep: *
2: /cgnd_6/prodata/2/pbpaa/PCT_NEW_PUB.pep: *
3: /cgnd_6/prodata/2/pbpaa/us06_NEW_PUB.pep: *
4: /cgnd_6/prodata/2/pbpaa/us05_PUBCOMB.pep: *
5: /cgnd_6/prodata/2/pbpaa/us07_NEW_PUB.pep: *
6: /cgnd_6/prodata/2/pbpaa/PCTUS_PUBCOMB.pep: *
7: /cgnd_6/prodata/2/pbpaa/us07_PUBCOMB.pep: *
8: /cgnd_6/prodata/2/pbpaa/us08_PUBCOMB.pep: *
9: /cgnd_6/prodata/2/pbpaa/us09_PUBCOMB.pep: *
10: /cgnd_6/prodata/2/pbpaa/us06_PUBCOMB.pep: *
11: /cgnd_6/prodata/2/pbpaa/us05_PUBCOMB.pep: *
12: /cgnd_6/prodata/2/pbpaa/us09_NEW_PUB.pep: *
13: /cgnd_6/prodata/2/pbpaa/us10_PUBCOMB.pep: *
14: /cgnd_6/prodata/2/pbpaa/us10_PUBCOMB.pep: *
15: /cgnd_6/prodata/2/pbpaa/us10_PUBCOMB.pep: *
16: /cgnd_6/prodata/2/pbpaa/us10_NEW_PUB.pep: *
17: /cgnd_6/prodata/2/pbpaa/us60_NEW_PUB.pep: *
18: /cgnd_6/prodata/2/pbpaa/us60_PUBCOMB.pep: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	579	100.0	127	15	US-10-025-514-22
2	579	100.0	128	15	US-10-025-514-24
3	579	100.0	184	15	US-10-025-514-6
4	579	100.0	207	10	US-09-731-072-291
5	579	100.0	14	10	US-10-116-064-5
6	579	100.0	522	15	US-10-025-514-14
7	579	100.0	522	15	US-10-025-514-20
8	579	100.0	580	15	US-10-025-514-10
9	579	100.0	580	15	US-10-025-514-18
10	558	96.4	183	9	US-09-925-301-1594
11	226	39.0	218	14	US-10-116-064-3
12	209.5	36.2	210	14	US-10-116-064-4
13	201.5	34.8	224	9	US-09-91-94-2
14	201.5	34.8	224	10	US-09-947-071-5
15	201.5	34.8	224	14	US-10-116-064-2

ALIGNMENTS

RESULT 1
US-10-025-514-22
; Sequence 22, Application US/10025514
; Publication No. US20030073217A1
; GENERAL INFORMATION:
; APPLICANT: Philip J. BARR
; APPLICANT: Helen GILSON
; APPLICANT: Philip PEMBERTON
TITLE OF INVENTION: MULTIFUNCTIONAL PROTEASE INHIBITORS AND
FILE REFERENCE: 3682200200
CURRENT APPLICATION NUMBER: US/10/025, 514
CURRENT FILING DATE: 2002-04-03
PRIOR APPLICATION NUMBER: U.S. 60/256, 699
PRIOR FILING DATE: 2000-12-18
PRIOR APPLICATION NUMBER: U.S. 60/331, 966
PRIOR FILING DATE: 2001-11-20
NUMBER OF SEQ ID NOS: 33
SOFTWARE: FastSeq for Windows Version 4.0
; SEO ID NO 22
; LENGTH: 127
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-025-514-22
Sequence 22, Appl
Sequence 24, Appl
Sequence 6, Appl
Sequence 291, Appl
Sequence 5, Appl
Sequence 14, Appl
Sequence 20, Appl
Sequence 10, Appl
Sequence 18, Appl
Sequence 154, Appl
Sequence 3, Appl
Sequence 4, Appl
Sequence 2, Appl
Sequence 2, Appl

Query Match 100.0%; Score 579; DB 15; Length: 127;
Best Local Similarity 100.0%; Pred. No. 5..7e-64; Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTCVPPHPQTAFCNSDLVIRAKFVGTPEVNQTLJQRYEIKMTKMYKGQALGAADIRP 60
2 CTCVPPHPQTAFCNSDLVIRAKFVGTPEVNQTLJQRYEIKMTKMYKGQALGAADIRP 61
61 VYTPAMESVCGYFRSHRNSEEFLLTAGKLDGLIHLITCSFVAPWN 106
QY 62 VYTPAMESVCGYFRSHRNSEEFLLTAGKLDGLIHLITCSFVAPWN 107

RESULT 2

US-10-025-514-24

; Sequence 24, Application US/10025514

; Publication No. US2003007321A1

; GENERAL INFORMATION:

; APPLICANT: Philip J. BARR

; APPLICANT: Helen GIBSON

; APPLICANT: Philip PEMBERTON

; TITLE OF INVENTION: MULTIFUNCTIONAL PROTEASE INHIBITORS AND

; TITLE OF INVENTION: THEIR USE IN TREATMENT OF DISEASE

; FILE REFERENCE: 36829200200

; CURRENT APPLICATION NUMBER: US/10-025_514

; CURRENT FILING DATE: 2002-04-03

; PRIORITY APPLICATION NUMBER: U.S. 60/256, 699

; PRIORITY FILING DATE: 2000-12-18

; PRIORITY APPLICATION NUMBER: U.S. 60/331, 966

; PRIORITY FILING DATE: 2001-11-20

; NUMBER OF SEQ ID NOS: 33

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO: 24

; LENGTH: 128

; TYPE: PRT

; ORGANISM: Homo sapiens

; US-10-025-514-24

Query Match 100.0%; Score 579; DB 15; Length 128; Best Local Similarity 100.0%; Pred. No. 5. 2e-64; Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

; QY

1 CTCVPPHRPQTAFCNSDLVIRAKFVGTPPEVNQTTLYQREYIKMTKMYKGFOALGDAADRF 60
2 CTCVPPHRPQTAFCNSDLVIRAKFVGTPPEVNQTTLYQREYIKMTKMYKGFOALGDAADRF 61

; QY

61 VYTPTAMESVCGYFHRSHNRSERPLAKLQDGGLHHTTCSPVAPWN 106
62 VYTPTAMESVCGYFHRSHNRSERPLAKLQDGGLHHTTCSPVAPWN 107

; Db

RESULT 3
US-10-025-514-6
; Sequence 6, Application US/10025514
; Publication No. US2003007321A1

; GENERAL INFORMATION:

; APPLICANT: Philip J. BARR

; APPLICANT: Helen GIBSON

; APPLICANT: Philip PEMBERTON

; TITLE OF INVENTION: MULTIFUNCTIONAL PROTEASE INHIBITORS AND

; TITLE OF INVENTION: THEIR USE IN TREATMENT OF DISEASE

; FILE REFERENCE: 36829200200

; CURRENT APPLICATION NUMBER: US/10-025_514

; CURRENT FILING DATE: 2002-04-03

; PRIORITY APPLICATION NUMBER: U.S. 60/256, 699

; PRIORITY FILING DATE: 2000-12-18

; PRIORITY APPLICATION NUMBER: U.S. 60/331, 966

; PRIORITY FILING DATE: 2001-11-20

; NUMBER OF SEQ ID NOS: 33

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO: 6

; LENGTH: 184

; TYPE: PRT

; ORGANISM: Homo sapiens
; US-10-025-514-6

Query Match 100.0%; Score 579; DB 15; Length 184; Best Local Similarity 100.0%; Pred. No. 9. 2e-64; Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

; QY

1 CTCVPPHRPQTAFCNSDLVIRAKFVGTPPEVNQTTLYQREYIKMTKMYKGFOALGDAADRF 60
1 CTCVPPHRPQTAFCNSDLVIRAKFVGTPPEVNQTTLYQREYIKMTKMYKGFOALGDAADRF 60

; Db

; Db

61 VYTPTAMESVCGYFHRSHNRSERPLAKLQDGGLHHTTCSPVAPWN 106

; RESULT 4

US-09-731-872-291

; Sequence 291, Application US/09731872

; GENERAL INFORMATION:
; Patent No. US20021012604A1

; APPLICANT: Bougueret, Lydie

; APPLICANT: Jobert, Severin

; TITLE OF INVENTION: FULL-LENGTH HUMAN cDNAs ENCODING POTENTIALLY SECRETED PROTEINS

; FILE REFERENCE: 78.US3.REG

; CURRENT APPLICATION NUMBER: US/09/731, 872

; CURRENT FILING DATE: 2000-12-07

; PRIORITY APPLICATION NUMBER: US 60/169, 629

; PRIORITY FILING DATE: 1999-12-08

; PRIORITY APPLICATION NUMBER: US 60/187, 470

; PRIORITY FILING DATE: 2000-03-06

; NUMBER OF SEQ ID NOS: 482

; SOFTWARE: Patent.pm

; SEQ ID NO: 291

; LENGTH: 207

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE: SIGNAL

; NAME/KEY: SIGNAL

; LOCATION: -23..-1

; US-09-731-872-291
Query Match 100.0%; Score 579; DB 10; Length 207; Best Local Similarity 100.0%; Pred. No. 1.1e-63; Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

; QY

1 CTCVPPHRPQTAFCNSDLVIRAKFVGTPPEVNQTTLYQREYIKMTKMYKGFOALGDAADRF 60
24 CTCVPPHRPQTAFCNSDLVIRAKFVGTPPEVNQTTLYQREYIKMTKMYKGFOALGDAADRF 61

; Db

; QY

61 VYTPTAMESVCGYFHRSHNRSERPLAKLQDGGLHHTTCSPVAPWN 106
64 VYTPTAMESVCGYFHRSHNRSERPLAKLQDGGLHHTTCSPVAPWN 129

; Db

; RESULT 5

US-10-116-064-5

; Sequence 5, Application US/10116064

; Publication No. US20020115187A1

; GENERAL INFORMATION:

; APPLICANT: GREENE, JOHN M

; APPLICANT: ROSEN, CRAIG

; TITLE OF INVENTION: HUMAN TISSUE INHIBITOR OF

; METALLOPROTEINASE-4

; NUMBER OF SEQUENCES: 11

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: HUMAN GENOME SCIENCES, INC.

; STREET: 9410 KEY WEST AVE

; CITY: ROCKVILLE

; STATE: MD

; COUNTRY: USA

; ZIP: 20850

; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK

; COMPUTER: IBM PC COMPATIBLE

; OPERATING SYSTEM: PC-DOS/MS-DOS

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/10/116, 064

; FILING DATE: 05-APR-2002

; CLASSIFICATION: <Unknown>

; PRIORITY APPLICATION DATA:

; APPLICATION NUMBER: 09/262, 087

; FILING DATE: 04-MAR-1999

; APPLICATION NUMBER: PCT/US94/14498

FILING DATE: 13-FEB-1994
 INFORMATION FOR SEQ ID NO: 5
 SEQUENCE CHARACTERISTICS:
 LENGTH: 207 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 5
 ; US-10-116-064-5

Query Match 100.0%; Score 579; DB 14; Length 207;
 Best Local Similarity 100.0%; Pred. No. 1.1e-63;
 Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTCVPHPHQTAFCNSDLVIRAKFVGTPENQNTLYQREIKMVKMYKFOALGDAADRF 60
 Db 24 CTCVPHPHQTAFCNSDLVIRAKFVGTPENQNTLYQREIKMVKMYKFOALGDAADRF 83

Qy 61 VYTPTAMESVCGYFHRSHNRSEBFLIAGKLDGLHLITCSFVAPWN 106
 Db 84 VYTPTAMESVCGYFHRSHNRSEBFLIAGKLDGLHLITCSFVAPWN 129

RESULT 6
 US-10-025-514-14
 ; Sequence 14, Application US/10025514
 ; Publication No. US20030073217A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Philip J. BARR
 ; APPLICANT: Helen GIBSON
 ; APPLICANT: Philip PEMBERTON
 ; TITLE OF INVENTION: MULTIFUNCTIONAL PROTEASE INHIBITORS AND
 ; TITLE OF INVENTION: THEIR USE IN TREATMENT OF DISEASE
 ; FILE REFERENCE: 36822-2000200
 ; CURRENT APPLICATION NUMBER: US/10/025, 514
 ; CURRENT FILING DATE: 2002-04-03
 ; PRIOR APPLICATION NUMBER: U.S. 60/256, 699
 ; PRIOR FILING DATE: 2000-1-18
 ; PRIOR APPLICATION NUMBER: U.S. 60/331, 966
 ; PRIOR FILING DATE: 2001-11-20
 ; NUMBER OF SEQ ID NOS: 33
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 14
 ; LENGTH: 522
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-025-514-14

Query Match 100.0%; Score 579; DB 15; Length 522;
 Best Local Similarity 100.0%; Pred. No. 3.5e-63; Mismatches 0; Indels 0; Gaps 0;
 Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTCVPHPHQTAFCNSDLVIRAKFVGTPENQNTLYQREIKMVKMYKFOALGDAADRF 60
 Db 2 CTCVPHPHQTAFCNSDLVIRAKFVGTPENQNTLYQREIKMVKMYKFOALGDAADRF 61

Qy 61 VYTPTAMESVCGYFHRSHNRSEBFLIAGKLDGLHLITCSFVAPWN 106
 Db 62 VYTPTAMESVCGYFHRSHNRSEBFLIAGKLDGLHLITCSFVAPWN 107

RESULT 7
 US-10-025-514-20
 ; Sequence 20, Application US/10025514
 ; Publication No. US20030073217A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Philip J. BARR
 ; APPLICANT: Helen GIBSON
 ; APPLICANT: Philip PEMBERTON
 ; TITLE OF INVENTION: MULTIFUNCTIONAL PROTEASE INHIBITORS AND
 ; TITLE OF INVENTION: THEIR USE IN TREATMENT OF DISEASE
 ; FILE REFERENCE: 368292000200

RESULT 8
 US-10-025-514-10
 ; Sequence 10, Application US/10025514
 ; Publication No. USZ20030073217A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Philip J. BARR
 ; APPLICANT: Helen GIBSON
 ; APPLICANT: Philip PEMBERTON
 ; TITLE OF INVENTION: MULTIFUNCTIONAL PROTEASE INHIBITORS AND
 ; TITLE OF INVENTION: THEIR USE IN TREATMENT OF DISEASE
 ; FILE REFERENCE: 368292000200
 ; CURRENT APPLICATION NUMBER: US/10/025, 514
 ; CURRENT FILING DATE: 2002-04-03
 ; PRIOR APPLICATION NUMBER: U.S. 60/256, 699
 ; PRIOR FILING DATE: 2000-12-18
 ; PRIOR APPLICATION NUMBER: U.S. 60/331, 966
 ; PRIOR FILING DATE: 2001-11-20
 ; NUMBER OF SEQ ID NOS: 33
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 10
 ; LENGTH: 580
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-025-514-10

Query Match 100.0%; Score 579; DB 15; Length 580;
 Best Local Similarity 100.0%; Pred. No. 4e-63; Mismatches 0; Indels 0; Gaps 0;
 Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTCVPHPHQTAFCNSDLVIRAKFVGTPENQNTLYQREIKMVKMYKFOALGDAADRF 60
 Db 2 CTCVPHPHQTAFCNSDLVIRAKFVGTPENQNTLYQREIKMVKMYKFOALGDAADRF 61

Qy 61 VYTPTAMESVCGYFHRSHNRSEBFLIAGKLDGLHLITCSFVAPWN 106
 Db 62 VYTPTAMESVCGYFHRSHNRSEBFLIAGKLDGLHLITCSFVAPWN 107

RESULT 9
 US-10-025-514-18
 ; Sequence 18, Application US/10025514
 ; Publication No. US20030073217A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Philip J. BARR
 ; APPLICANT: Helen GIBSON
 ; APPLICANT: Philip PEMBERTON

CURRENT APPLICATION NUMBER: US/10/025, 514
 CURRENT FILING DATE: 2002-04-03
 PRIOR APPLICATION NUMBER: U.S. 60/256, 699
 PRIOR FILING DATE: 2000-12-18
 PRIOR APPLICATION NUMBER: U.S. 60/331, 966
 PRIOR FILING DATE: 2001-11-20
 NUMBER OF SEQ ID NOS: 33
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 20
 LENGTH: 522
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-025-514-20

Query Match 100.0%; Score 579; DB 15; Length 522;
 Best Local Similarity 100.0%; Pred. No. 3.5e-63; Mismatches 0; Indels 0; Gaps 0;
 Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTCVPHPHQTAFCNSDLVIRAKFVGTPENQNTLYQREIKMVKMYKFOALGDAADRF 60
 Db 397 CTCVPHPHQTAFCNSDLVIRAKFVGTPENQNTLYQREIKMVKMYKFOALGDAADRF 456

Qy 61 VYTPTAMESVCGYFHRSHNRSEBFLIAGKLDGLHLITCSFVAPWN 106
 Db 457 VYTPTAMESVCGYFHRSHNRSEBFLIAGKLDGLHLITCSFVAPWN 502

TITLE OF INVENTION: MULTIFUNCTIONAL PROTEASE INHIBITORS AND
 TITLE OF INVENTION: THEIR USE IN TREATMENT OF DISEASE
 FILE REFERENCE: 3682900200
 CURRENT APPLICATION NUMBER: US/10/025, 514
 CURRENT FILING DATE: 2002-04-03
 PRIORITY APPLICATION NUMBER: U.S. 60/256, 699
 PRIORITY FILING DATE: 2000-12-18
 PRIORITY APPLICATION NUMBER: U.S. 60/331, 966
 PRIORITY FILING DATE: 2001-11-20
 NUMBER OF SEQ ID NOS: 33
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 18
 LENGTH: 580
 TYPE: PRT
 ORGANISM: Homo sapiens
 ;
 US-10-025-514-18
 Query Match 100.0%; Score 579; DB 15; Length 580;
 Best Local Similarity 100.0%; Pred. No. 4e-63; ; Mismatches 0;
 Matches 106; Conservative 0; Indels 0; Gaps 0;
 QY 1 CTCVPHPHQAFCNSDLVIRAKFVGTPPEVNQ-----TLYQRVKMTKMYKGFOALGDAADIRF 60
 Db 37 CTCVPHPHQAFCNSDLVIRAKFVGTPPEVNQ-----TLYQRVKMTKMYKGFOALGDAADIRF 96
 QY 61 VYTPTAMESVCYFHRSHNRSEFLAGKQDGGLHITCSFVAPWN 105
 Db 97 VYTPTAMESVCYFHRSHNRSEFLAGKQDGGLHITCSFVAPWN 142
 RESULT 10
 US-09-925-301-1594
 ; Sequence 1594, Application US/09925301
 ; Patent No. US20020052308A1
 ; GENERAL INFORMATION:
 ; APPLICANT: ROSEN, CRAIG
 ; TITLE OF INVENTION: HUMAN TISSUE INHIBITOR OF
 ; NUMBER OF SEQUENCES: 11
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: HUMAN GENOME SCIENCES, INC.
 ; STREET: 9410 KEY WEST AVE
 ; CITY: ROCKVILLE
 ; STATE: MD
 ; COUNTRY: USA
 ; ZIP: 20850
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 FILE REFERENCE: PA105
 CURRENT APPLICATION NUMBER: US/09/925, 301
 PRIORITY FILING DATE: 2001-08-10
 PRIORITY APPLICATION NUMBER: PCT/US00/05882
 PRIORITY FILING DATE: 2000-03-08
 PRIORITY FILING DATE: 1999-03-12
 NUMBER OF SEQ ID NOS: 1694
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 1594
 LENGTH: 183
 TYPE: PRT
 ORGANISM: Homo sapiens
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 LOCATION: SITE
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 NAME/KEY: SITE
 LOCATION: (80)
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 NAME/KEY: SITE
 LOCATION: (107)
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
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 LOCATION: (122)
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 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
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 LOCATION: (151)
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 NAME/KEY: SITE
 LOCATION: (152)
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 NAME/KEY: SITE
 LOCATION: (160)
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
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 Best Local Similarity 44.2%; Pred. No. 6.3e-20; ; Mismatches 5;
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 Db 27 CSCSPHPHQAFCNSDLVIRAKFVGTPPEVNQ-----TLYQRVKMTKMYKGFOALGD 80
 QY 55 AADIREVYPTAMESVCYFHRSHNRSEFLAGKQ-DGGLHITCSFVAPWN 106
 Db 81 EKDIDFITYTAPSSAVCGG-VSLDVGRKKKEYLJAGKAEGDGKMHITLDFIVPWD 132
 RESULT 11
 US-10-116-064-3
 ; Sequence 3, Application US/10116064
 ; Publication No. US2002011587A1
 ; GENERAL INFORMATION:

SOFTWARE: PatentIn Release #1.0, Version #1.30
CITIZEN APPLICATION DATA:

CONCLUDING ELECTION DATE: APPLICATION NUMBER: US/10/116, 064
FILING DATE: 05 APR 2003

FILING DATE: 03-Apr-2002
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA: .
APPLICATION NUMBER: 09/262,087

FILING DATE: 04-MAR-1999
APPLICATION NUMBER: PCT/US94/14498

FILING DATE: 13-FEB-1994
FORMATION FOR SEO ID NO: 2:

SEQUENCE CHARACTERISTICS:
LENGTH: 224 amino acids

TYPE: amino acid
TOPOLOGY: linear

MOLECULE TYPE: protein

5-064-2 SEQUENCE DESCRIPTION: SEQ ID NO: 2:

Match 34.8%; Score 201.1

local Similarity 37.5%; Pred. No. 7.1e-17; 4;

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30 CSCAPAHQOHI CHSAVLTRAKISSEKVPPASADPADTEKMLRYEIKIQKIMFKEFEKVA 87

55 AADIRFVYPTPAMESUVCGYFHRSHRNRSEREFPLAGK-LODGLLHITTCSEFWAPW 105

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Job time : 28.4686 secs

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GenCore version 5.1.6
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GenCore version 5.1.6
(c) 1993 - 2003 Computech

gen Ltd.

OM protein - protein search, using SW model

RUN ON: July 23, 2003, 14:38:05 ; SEARCH TIME 3.1026 SECONDS
(without alignments)
315.081 Million cell updates/sec

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Perfect score: 203
Sequence: 1 GHRRSSAQDRTREPTMAFPFDPLLHPVVAVADSPSRA 38

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues
Total number of hits satisfying chosen parameters

area:

Minimum DB seq length: 0

Maximum DB seq length: 200000000
Post-processing: Minimum Match 0%

Database : *
Maximum Match 100%
Listing first 45 summaries
Received Patients n=*

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6: /cgm2_6/ptodata/11aa/backtiles1.peg:*

e to have a
t being printed,

SUMMARIES

APPENDIX

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29	48.5	23.9	137	4	US-09-252-991A-28836	Sequence 299763, A
30	48.5	23.9	137	4	US-08-303-861-18	Sequence 18, Appl
31	48.5	23.9	137	4	US-08-303-861-19	Sequence 19, Appl
32	48.5	23.9	258	4	US-09-213-343-2	Sequence 2, Appl
33	48.5	23.9	628	4	US-09-252-991A-18780	Sequence 18780, A
34	48.5	23.9	673	4	US-09-252-991A-29503	Sequence 29503, A
35	48.5	23.9	1145	4	US-09-470-443-2	Sequence 2, Appl
36	48.5	23.9	1145	4	US-09-470-443-4	Sequence 4, Appl
37	48	23.6	188	4	US-09-252-991A-29006	Sequence 29006, A
38	48	23.6	227	4	US-09-252-991A-6161	Sequence 26181, A
39	48	23.6	254	4	US-09-252-991A-19771	Sequence 19771, A
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41	48	23.6	391	4	US-09-252-991A-20316	Sequence 20316, A
42	48	23.6	430	4	US-09-252-991A-18437	Sequence 18437, A
43	48	23.6	465	4	US-09-252-991A-27958	Sequence 27958, A
44	48	23.6	567	4	US-09-252-991A-288435	Sequence 288435, A
45	48	23.6	589	4	US-09-252-991A-28836	Sequence 28836, A

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2	199	53.7	22	4	US-09-452-817-4	Sequence 4, App1
3	56.5	27.8	148	4	US-09-252-991A-28274	Sequence 28274, A
4	56	27.6	52	3	US-08-851-843A-184	Sequence 184, APP
5	56	27.6	52	3	US-08-974-549A-303	Sequence 303, APP
6	56	27.6	52	3	US-08-854-500-184	Sequence 184, APP
7	56	27.6	52	4	US-09-430-323-184	Sequence 184, APP
8	55	27.1	472	4	US-09-252-991A-17011	Sequence 17011, A
9	54	26.6	277	4	US-09-252-991A-25033	Sequence 25033, A
10	54	26.6	1452	2	US-01-449-644-8	Sequence 8, App1
11	54	26.6	1452	2	US-08-087-444A-8	Sequence 8, App1
12	52.5	25.9	611	4	US-09-252-991A-32402	Sequence 32402, A
13	52	25.6	279	4	US-09-252-991A-32443	Sequence 32443, A
14	52	25.6	720	4	US-09-252-991A-21880	Sequence 21881, A
15	51.5	25.4	239	4	US-09-252-991A-21250	Sequence 21250, A
16	51.5	25.4	699	5	PCT-US94-07297-39	Sequence 39, App1
17	51.5	25.4	921	1	US-08-396-79B-2	Sequence 2, App1
18	51.5	25.4	921	1	US-08-818-623-2	Sequence 2, App1
19	51.5	25.4	1171	4	US-09-417-197-131	Sequence 131, APP
20	51.5	25.4	1181	4	US-09-417-197-133	Sequence 133, APP
21	51	25.4	151	4	US-09-252-991A-28890	Sequence 28890, A
22	51	25.1	270	4	US-09-252-991A-29260	Sequence 29260, A
23	51	25.1	396	4	US-09-198-452A-147	Sequence 147, APP
24	51	25.1	580	4	US-09-252-991A-22036	Sequence 22036, A
25	51	25.1	630	2	US-09-596-319-2	Sequence 2, App1
26	50.5	24.9	1046	4	US-09-252-991A-27500	Sequence 27500, A
27	49.6	24.6	527	4	US-09-252-991A-21680	Sequence 21680, A

GENERAL INFORMATION:
 APPLICANT: Carmichael, David F
 APPLICANT: Anderson, David C
 APPLICANT: Stricklin, George P
 APPLICANT: Welgus, Howard G
 TITLE OF INVENTION: For Using Same And Recombinant-DNA Method For
 TITLE OF INVENTION: Manufacture Of Same
 FILE REFERENCE: Serial No. 6342374 09/452,817
 CURRENT APPLICATION NUMBER: US/09/452,817
 CURRENT FILING DATE: 2001-05-22
 PRIORITY APPLICATION NUMBER: 08/1474,553
 PRIORITY FILING DATE: 1995-06-07
 PRIORITY APPLICATION NUMBER: 08/050,739
 PRIORITY FILING DATE: 1993-04-21
 PRIORITY APPLICATION NUMBER: 07/853,018
 PRIORITY FILING DATE: 1992-03-18
 PRIORITY APPLICATION NUMBER: 07/517,475
 PRIORITY FILING DATE: 1990-05-01
 PRIORITY APPLICATION NUMBER: 07/320,923
 PRIORITY FILING DATE: 1989-03-08
 PRIORITY APPLICATION NUMBER: 06/784,319
 PRIORITY FILING DATE: 1983-10-04
 PRIORITY APPLICATION NUMBER: 06/699,181
 PRIORITY FILING DATE: 1985-02-05
 NUMBER OF SEQ ID NOS: 20
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 4
 LENGTH: 22
 TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-452-817-4

RESULT 3
 Query Match Score 109; DB 4; Length 22;
 Best Local Similarity 53.7%; Pred. No. 56-09; 0; Mismatches 1; Indels 0; Gaps 0;
 Matches 21; Conservative 0; MisMatch 0;

Qy 17 MAPDPDWLHPVAVADSPSRA 38
 Db 1 MALFDPWLLHPVAVADSPSRA 22

RESULT 3
 Query Match Score 109; DB 4; Length 22;
 Best Local Similarity 53.7%; Pred. No. 56-09; 0; Mismatches 1; Indels 0; Gaps 0;
 Matches 21; Conservative 0; MisMatch 0;

Qy 17 MAPDPDWLHPVAVADSPSRA 38
 Db 1 MALFDPWLLHPVAVADSPSRA 22

RESULT 3
 Query Match Score 109; DB 4; Length 22;
 Best Local Similarity 53.7%; Pred. No. 56-09; 0; Mismatches 1; Indels 0; Gaps 0;
 Matches 21; Conservative 0; MisMatch 0;

Qy 17 MAPDPDWLHPVAVADSPSRA 38
 Db 1 MALFDPWLLHPVAVADSPSRA 22

GENERAL INFORMATION:
 APPLICANT: Marc J. Rubenfield et al.
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 FILE REFERENCE: 10/196,136
 CURRENT APPLICATION NUMBER: US/09/252,991A
 CURRENT FILING DATE: 1999-02-18
 PRIORITY APPLICATION NUMBER: US 60/074,788
 PRIORITY FILING DATE: 1998-02-18
 PRIORITY APPLICATION NUMBER: US 60/094,190
 PRIORITY FILING DATE: 1998-07-27
 NUMBER OF SEQ ID NOS: 33142
 SEQ ID NO: 28274
 LENGTH: 148
 TYPE: PRT
 ; ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-28274

Query Match Score 56.5; DB 4; Length 148;
 Best Local Similarity 34.0%; Pred. No. 1,1; Indels 15; Gaps 2;

Qy 4 RRSAAQDRTREP-----TMAPPDPDWLHPVAVADSPSRA 38
 Db 11 RISPAKSITSPNAPSACRPWFAATRASPFWPAIRSATAATIRSPGRS 60

RESULT 4
 US-08-851-843A-184
 Sequence 184 Application US/08851843A
 Patent No. 6093809
 GENERAL INFORMATION:
 APPLICANT: Cech, Thomas R.
 APPLICANT: Lingner, Joachim
 APPLICANT: Nakamura, Toru
 APPLICANT: Chapman, Karen B.
 APPLICANT: Morin, Gregg B.
 APPLICANT: Harley, Calvin
 APPLICANT: Andrews, William H.
 TITLE OF INVENTION: No. 6093809el Telomerase
 NUMBER OF SEQUENCES: 225
 CORRESPONDENCE ADDRESS:
 ADDRESSE: Townsend and Crew LLP
 STREET: Two Embarcadero Center, 8th Floor
 CITY: San Francisco
 STATE: California
 COUNTRY: United States of America
 ZIP: 94111
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/851,843A
 FILING DATE: 06-MAY-1997
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/846,017
 FILING DATE: 25-APR-1997
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/844,419
 FILING DATE: 18-APR-1997
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/724,643
 FILING DATE: 01-OCT-1996
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Apple, Randolph T.
 REGISTRATION NUMBER: 36,429
 REFERENCE/DOCKET NUMBER: 015389-002930US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 576-0200
 TELEFAX: (415) 576-0100
 INFORMATION FOR SEQ ID NO: 184:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 52 amino acids
 TYPE: amino acid
 STRANDEDNESS:
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-08-851-843A-184

RESULT 5
 US-08-974-549A-303
 Sequence 303 Application US/088974549A
 Patent No. 6166178
 GENERAL INFORMATION:
 APPLICANT: Cech, Thomas R.

APPLICANT: Lingner, Joachim
 APPLICANT: Nakamura, Toru
 APPLICANT: Chapman, Karen B.
 APPLICANT: Morin, Gregg B.
 APPLICANT: Harley, Calvin B.
 APPLICANT: Andrews, William H.
 TITLE OF INVENTION: Human Telomerase Catalytic Subunit
 NUMBER OF SEQUENCES: 727
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Townsend and Townsend and Crew LLP
 STREET: Two Embarcadero Center, Eighth Floor
 CITY: San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94111-3834
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US 08/974,549A
 FILING DATE: 19-NOV-1997
 CLASSIFICATION: 536
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/724,643
 FILING DATE: 01-OCT-1996
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/844,419
 FILING DATE: 18-APR-1997
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/846,017
 FILING DATE: 25-APR-1997
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/851,843
 FILING DATE: 06-MAY-1997
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/854,050
 FILING DATE: 09-MAY-1997
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/911,312
 FILING DATE: 14-AUG-1997
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/912,951
 FILING DATE: 14-AUG-1997
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: WO PCT/US97/17618
 FILING DATE: 01-OCT-1997
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: WO PCT/US97/17885
 FILING DATE: 01-OCT-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Apple, Randolph Ted
 REGISTRATION NUMBER: 36,429
 REFERENCE/DOCKET NUMBER: 013389-002610US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 576-0200
 TELEX/FAX: (415) 576-0300
 INFORMATION FOR SEQ ID NO: 184:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 52 amino acids
 TYPE: amino acid
 STRANDEDNESS:
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-08-974-549A-303

RESULT 6
 US-08-854-050-184
 ; Sequence 184, Application US/08854050
 ; Patent No. 6261836
 GENERAL INFORMATION:
 APPLICANT: Cech, Thomas R.
 APPLICANT: Lingner, Joachim
 APPLICANT: Nakamura, Toru
 APPLICANT: Chapman, Karen B.
 APPLICANT: Morin, Gregg B.
 APPLICANT: Harley, Calvin
 APPLICANT: Andrews, William H.
 TITLE OF INVENTION: No. 6261836el Telomerase
 NUMBER OF SEQUENCES: 225
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Townsend and Townsend and Crew LLP
 STREET: Two Embarcadero Center, 8th Floor
 CITY: San Francisco
 STATE: California
 COUNTRY: United States of America
 ZIP: 94111
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/854,050
 FILING DATE: 09-MAY-1997
 CLASSIFICATION: 536
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/851,843
 FILING DATE: 06-MAY-1997
 CLASSIFICATION: 536
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/911,312
 FILING DATE: 18-APR-1997
 CLASSIFICATION: 536
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/912,951
 FILING DATE: 25-APR-1997
 CLASSIFICATION: 536
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: WO PCT/US97/17618
 FILING DATE: 01-OCT-1997
 CLASSIFICATION: 536
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: WO PCT/US97/17885
 FILING DATE: 01-OCT-1997
 CLASSIFICATION: 536
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/724,643
 FILING DATE: 01-OCT-1996
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Apple, Randolph T.
 REGISTRATION NUMBER: 36,429
 REFERENCE/DOCKET NUMBER: 013389-002930US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 576-0200
 TELEX/FAX: (415) 576-0300
 INFORMATION FOR SEQ ID NO: 184:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 52 amino acids
 TYPE: amino acid
 STRANDEDNESS:
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-08-854-050-184

Query Match 27.6%; Score 56; DB 3; Lens 38

-08-974-549A-303
Query Match Similarity 27.6%; Score 56; DB 3; Length 52;
Best Local Matches 14; Conservative Pre; MinMatches 21; Indels

Query Match 27.6%; Score 56; DB 3; Length 52;
 Best Local Similarity 36.8%; Pred. No. 0.41;
 Matches 14; Conservative 3; Mismatches 21; Indels 0;
 Gaps 0;
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Db 11 | ||| : | : ||| : |||||
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 Matches 14; Conservative 3; Mismatches 21; Indels 0; Gaps 0;
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 Db 11 GSRRSSPASPRTRTACVGMPWSRRPPMGTSARPSRA 48
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 Matches 14; Conservative 3; Mismatches 21; Indels 0; Gaps 0;
 Qy 1 GIRRSSAQDRDREPTMAPFDPWLLHVVAVADSPA 38
 Db 11 GSRRSSPASPRTRTACVGMPWSRRPPMGTSARPSRA 48
 RESULT 8 US-09-252-991A-17011
 ; Sequence 17011, Application US/09252991A
 ; Patent No. 6551795
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; FILE REFERENCE: 107196.136
 ; CURRENT APPLICATION NUMBER: US/09/252, 991A
 ; CURRENT FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/074, 788
 ; PRIOR FILING DATE: 1998-02-18
 ; PRIOR APPLICATION NUMBER: US 60/094, 190
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO: 17011
 ; LENGTH: 472
 ; TYPE: PRT
 ; ORGANISM: Pseudomonas aeruginosa
 ; US-09-252-991A-17011
 ; Query Match Best Local Similarity 48.3%; Pred. No. 7; Mismatches 12; Indels 2; Gaps 1;
 ; Matches 14; Conservative 1; Mismatches 12; Indels 2; Gaps 1;
 Qy 2 HRRRSQAQRTRREP-TMAFPDPWLLHPV 28
 Db 131 HRRTRRATRVRPPARTAAGPEPWGHPV 159
 RESULT 9 US-09-252-991A-25033
 ; Sequence 25033, Application US/09252991A
 ; Patent No. 6551795
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; FILE REFERENCE: 107196.136
 ; CURRENT APPLICATION NUMBER: US/09/252, 991A
 ; CURRENT FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/074, 788
 ; PRIOR FILING DATE: 1998-02-18
 ; PRIOR APPLICATION NUMBER: US 60/094, 190
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO: 25033
 ; LENGTH: 277
 ; TYPE: PRT
 ; ORGANISM: Pseudomonas aeruginosa
 ; US-09-252-991A-25033
 ; Query Match Best Local Similarity 36.4%; Pred. No. 5.3; Mismatches 15; Indels 10; Gaps 1;
 ; Matches 16; Conservative 3; Mismatches 15; Indels 10; Gaps 1;
 Qy 3 RRRSSAQDRDREPTMAPFDPWLLHVVAVADSPA 36
 Db 102 RRHSSARRGRGGTARRQGRSPRPRPPWWSRVCAGSPA 145
 RESULT 10 US-09-449-644-8
 ; Sequence 8, Application US/08449644
 ; Patent No. 5856162
 ; GENERAL INFORMATION:
 ; APPLICANT: Schlessinger, Joseph
 ; APPLICANT: Sap, Jan M.
 ; APPLICANT: Ulrich, Axel
 ; APPLICANT: Vogel, Wolfgang
 ; APPLICANT: Fuchs, Miriam
 ; TITLE OF INVENTION: NOVEL RECEPTOR-TYPE PHOSPHOTYROSINE
 ; NUMBER OF SEQUENCES: 11

CORRESPONDENCE ADDRESS:

ADDRESSE: PENNIE & EDMONDS
 STREET: 1155 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: U.S.A.

ZIP: 10036

COMPUTER READABLE FORM:

MEDIUM TYPE: FLOPPY disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/449,644

FILING DATE: 24-MAY-1995

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/087,244

FILING DATE: 01-JUL-1993

ATTORNEY/AGENT INFORMATION:

NAME: Coruzzi, Laura A.

REGISTRATION NUMBER: 30,742

REFERENCE/DOCKET NUMBER: 7683-042

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-790-9090

TELEFAX: 212-869-8864/9741

TELEX: 66141 PENNIE

INFORMATION FOR SEQ ID NO: 8:

SEQUENCE CHARACTERISTICS:

LENGTH: 1452 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: unknown

MOLECULE TYPE: protein

US-08-449-644-8

RESULT 11

US-08-087-244A-8

Sequence 8 Application US/08087244A

Patent No. 5863755

GENERAL INFORMATION:

APPLICANT: Schlessinger, Joseph

APPLICANT: Sap, Jan M.

APPLICANT: Ulrich, Axel

APPLICANT: Vogel, Wolfgang

APPLICANT: Ruchs, Miriam

TITLE OF INVENTION: NOVEL RECEPTOR-TYPE PHOSPHOTYROSTEINE

TITLE OF INVENTION: PHOSPHATASE-KAPPA

NUMBER OF SEQUENCES: 11

CORRESPONDENCE ADDRESS:

ADDRESSE: PENNIE & EDMONDS

STREET: 1155 Avenue of the Americas

CITY: New York

STATE: New York

COUNTRY: U.S.A.

ZIP: 10036

COMPUTER READABLE FORM:

MEDIUM TYPE: FLOPPY disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/087-244A

FILING DATE: 01-JUL-1993

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Coruzzi, Laura A.

REGISTRATION NUMBER: 30,742

REFERENCE/DOCKET NUMBER: 7683-042

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-790-9090

TELEFAX: 212-869-8864/9741

INFORMATION FOR SEQ ID NO: 8:

SEQUENCE CHARACTERISTICS:

LENGTH: 1452 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: unknown

MOLECULE TYPE: protein

US-08-087-244A-8

Query Match 26.6%; Score 54; DB 2; Length 1452;
 Best Local Similarity 47.6%; Pred. No. 35; Matches 10; Conservative 2; Mismatches 9; Indels 0; Gaps 0;

Qy 13 REPTMAPDPWLHPVVAVD 33
 Db 864 REPADVPYQTCQLHPAIRVAD 884

RESULT 12

US-09-252-991A-32402

Sequence 32402 Application US/09252991A

Patent No. 6551795

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

FILE REFERENCE: 107196-136

CURRENT APPLICATION NUMBER: US/09/252,991A

PRIORITY APPLICATION NUMBER: US 60/074,788

PRIORITY FILING DATE: 1998-02-18

PRIORITY APPLICATION NUMBER: US 60/094,190

PRIORITY FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 32402

LENGTH: 611

TYPE: PRT

ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-32402

Query Match 25.9%; Score 52.5; DB 4; Length 611;
 Best Local Similarity 41.5%; Pred. No. 21; Matches 17; Conservative 4; Mismatches 13; Indels 7; Gaps 3;

Qy 5 RSSAQDRTBPTMAPDPWL-LHPVVAV----ADSRSRA 38
 Db 134 RRAATETTBPAPAPYPDPRLGHLPALAGRGDIALRPARA 174

RESULT 13

US-09-252-991A-32443

Sequence 32443 Application US/09252991A

Patent No. 6551795

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

FILE REFERENCE: 107196-136

CURRENT APPLICATION NUMBER: US/09/252,991A

PRIORITY APPLICATION NUMBER: US 60/074,788

PRIORITY FILING DATE: 1998-02-18

PRIORITY APPLICATION NUMBER: US 60/094,190

PRIORITY FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 32443
; LENGTH: 279
; TYPE: PRT
; ORGANISM: *Pseudomonas aeruginosa*
; US-09-252-991A-32443
Query Match 25.6%; Score 52; DB 4; Length 279;
Best Local Similarity 40.5%; Pred. No. 10;
Matches 15; Conservative 2; Mismatches 18; Indels 2; Gaps 1;
Qy 4 RSSAQDRTREPTMAPDPW-LIHPVVAVADSPSRA 38
Db 161 RRAGQRQDPGARRAPGOPWRDILQRRCAGADOPGRA 197

Search completed: July 25, 2003, 12:54:58
Job time : 6.10286 secs

RESULT 14
US-09-252-991A-21881
Sequence 21881, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196_136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 21881
; LENGTH: 720
; TYPE: PRT
; ORGANISM: *Pseudomonas aeruginosa*
; US-09-252-991A-21881

RESULT 15
US-09-252-991A-21250
Sequence 21250, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196_136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 21250
; LENGTH: 239
; TYPE: PRT
; ORGANISM: *Pseudomonas aeruginosa*
; US-09-252-991A-21250

Query Match 25.4%; Score 51.5; DB 4; Length 239;
Best Local Similarity 40.0%; Pred. No. 10;
Matches 16; Conservative 2; Mismatches 9; Indels 13; Gaps 2;

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OM protein - protein search, using sw model

Run on: July 25, 2003, 12:53:51 ; Search time 10.2057 Seconds
 (Without alignments)
 442.191 Million cell updates/sec

Title: US-09-987-357-3

Perfect score: 203
 Sequence: 1 GHRRSSAQDTRBPTMAPDPDWLHLPPVAVADSPSPRA 38

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 451899 seqs, 11875770 residues

Total number of hits satisfying chosen parameters: 451899

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 45 summaries

Database : Published Applications AA:*

1: /cgpn2_6/ptodata/2/pubpaas/US07_PUBCOMB_pep:*

2: /cgpn2_6/ptodata/2/pubpaas/PCT_NEW_PUB_pep:*

3: /cgpn2_6/ptodata/2/pubpaas/US06_PUBCOMB_pep:*

4: /cgpn2_6/ptodata/2/pubpaas/US07_NEW_PUB_pep:*

5: /cgpn2_6/ptodata/2/pubpaas/PCTUS_PUBCOMB_pep:*

6: /cgpn2_6/ptodata/2/pubpaas/US07_PUBCOMB_pep:*

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10: /cgpn2_6/ptodata/2/pubpaas/US09B_PUBCOMB_pep:*

11: /cgpn2_6/ptodata/2/pubpaas/US09C_PUBCOMB_pep:*

12: /cgpn2_6/ptodata/2/pubpaas/US09_NEW_PUB_pep:*

13: /cgpn2_6/ptodata/2/pubpaas/US10_PUBCOMB_pep:*

14: /cgpn2_6/ptodata/2/pubpaas/US10B_PUBCOMB_pep:*

15: /cgpn2_6/ptodata/2/pubpaas/US10C_PUBCOMB_pep:*

16: /cgpn2_6/ptodata/2/pubpaas/US10_NEW_PUB_pep:*

17: /cgpn2_6/ptodata/2/pubpaas/US10C_PUBCOMB_pep:*

18: /cgpn2_6/ptodata/2/pubpaas/US60_PUBCOMB_pep:*

RESULT 1
 US-09-925-301-1594

Sequence 1594, Application US/09925301
 Patent No. US20030052308A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION:

FILE REFERENCE: P105
 CURRENT APPLICATION NUMBER: US/09/925, 301

CURRENT FILING DATE: 2001-08-10

PRIOR APPLICATION NUMBER: PCT/US00/05882

PRIOR FILING DATE: 2000-03-08

PRIOR APPLICATION NUMBER: 60/124,270

PRIOR FILING DATE: 1999-03-12

NUMBER OF SEQ ID NOS: 1694

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO: 1594

LENGTH: 183

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: SITE

LOCATION: (80)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: SITE

LOCATION: (107)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: SITE

LOCATION: (122)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: SITE

LOCATION: (136)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: SITE

LOCATION: (151)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: SITE

LOCATION: (152)

ALIGNMENTS

16	50.5	24.9	125	15	US-0-155-761-837	Sequence 8367, Ap
17	50.5	24.9	524	10	US-0-738-626-3502	Sequence 3502, Ap
18	50	24.6	643	15	US-0-192-985-1	Sequence 1, Appl
19	49.5	24.4	335	15	US-10-156-761-14847	Sequence 14847, A
20	49.5	24.4	798	15	US-10-270-333-51	Sequence 51, Appl
21	49.5	24.4	852	15	US-0-0-21-828-15	Sequence 40371, A
22	49	24.1	9	US-0-9-864-761-40371	Sequence 1021, Ap	
23	48.5	23.9	337	9	US-0-9-925-301-1021	Sequence 2, Appl
24	48.5	23.9	1145	15	US-0-116-949-2	Sequence 4, Appl
25	48.5	23.9	1145	15	US-10-116-949-4	Sequence 48848, A
26	48	23.6	126	9	US-0-9-864-761-48848	Sequence 13095, A
27	48	23.6	194	15	US-0-155-761-13095	Sequence 10048, A
28	48	23.6	228	15	US-10-156-761-10048	Sequence 37825, A
29	48	23.6	377	9	US-0-9-864-761-37825	Sequence 76, Appl
30	48	23.6	917	14	US-0-0-47-542-76	Sequence 13357, A
31	47.5	23.4	334	15	US-0-10-156-761-13357	Sequence 228, App
32	47.5	23.4	837	11	US-0-9-988-626-228	Sequence 228, App
33	47	23.4	837	11	US-0-9-988-687-228	Sequence 228, App
34	47.5	23.4	837	11	US-0-9-988-687-228	Sequence 228, App
35	47	23.2	22	14	US-10-0-01-876-131	Sequence 131, App
36	47	23.2	51	9	US-0-9-864-761-8124	Sequence 48124, A
37	47	23.2	218	15	US-0-10-91-029-7	Sequence 7, Appl
38	47	23.2	218	15	US-10-191-029-9	Sequence 9, Appl
39	47	23.2	260	11	US-0-9-994-064-9	Sequence 70, Appl
40	47	23.2	260	11	US-0-9-994-064-70	Sequence 342, App
41	47	23.2	271	9	US-0-9-741-669-342	Sequence 10403, A
42	47	23.2	271	9	US-0-9-815-242-10403	Sequence 8467, Ap
43	47	23.2	1198	15	US-0-10-156-761-8467	Sequence 218, App
44	46.5	22.9	149	11	US-0-9-895-298-218	Sequence 8563, Ap
45	46.5	22.9	342	15	US-10-156-761-8563	Sequence 8563, Ap

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match Length DB ID	Description
1	87.5	43.1	183 9 US-09-925-301-1594 Sequence 1594, Ap
2	56	27.6	52 10 US-09-843-676-184 Sequence 184, App
3	56	27.6	52 11 US-0-438-486-184 Sequence 184, App
4	56	27.6	52 15 US-0-053-758-184 Sequence 184, App
5	56	27.6	52 15 US-10-054-295-184 Sequence 184, App
6	56	27.6	52 15 US-10-054-611-184 Sequence 184, App
7	54	26.6	559 2 10 US-0-925-155A-2 Sequence 2, Appl
8	52	25.6	413 15 US-10-156-761-9775 Sequence 9775, Ap
9	52	25.6	822 10 US-0-9-147-947-6 Sequence 6, Appl
10	51.5	25.4	653 15 US-10-156-761-12063 Sequence 12063, A
11	51.5	25.4	171 15 US-10-072-036-131 Sequence 131, App
12	51.5	25.4	181 15 US-10-072-036-133 Sequence 133, App
13	51	24.8	9 US-09-925-299-958 Sequence 958, App
14	51	24.8	11 US-09-925-299-958 Sequence 958, App
15	50.5	24.9	103 9 US-09-764-853-599 Sequence 599, App

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; LOCATION: SITE
; (160)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; US-09-925-301-1594

Query Match 43.1%; Score 87.5; DB 9; Length 183;
; Best Local Similarity 50.0%; Pred. No. 0.00057; Pred. No. 0.00057; Mismatches 0; Indels 0; Gaps 0;

RESULT 2
; Sequence 184, Application US/09843676
; Patent No. US20020164786A1

GENERAL INFORMATION:
; APPLICANT: Czech, Thomas R.
; Lingner, Joachim
; Nakamura, Toru
; Chapman, Karen B.
; Morin, Gregg B.
; Harley, Calvin H.
; Andrews, William H.

TITLE OF INVENTION: No. US20020164786A1 Telomerase
; NUMBER OF SEQUENCES: 225
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; STATE: California
; STATE: California
; STATE: California
; COUNTRY: United States of America
; ZIP: 94111

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/843,676
; FILING DATE: 26-APR-2001
; CLASSIFICATION: 536
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US/09/854,050
; FILING DATE: 09-MAY-1997
; FILING DATE: 25-APR-1997
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996

ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph T.

REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002931US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 184:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 52 amino acids

TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 184:
; US-09-843-676-184

Matches 14; Conservative 3; Mismatches 21; Indels 0; Gaps 0;
; US-09-438-486-184
; Sequence 184, Application US/09438486
; Publication No. US20030009019A1
; GENERAL INFORMATION:
; APPLICANT: Czech, Thomas R.
; APPLICANT: Lingner, Joachim
; APPLICANT: Nakamura, Toru
; APPLICANT: Chapman, Karen B.
; APPLICANT: Morin, Gregg B.
; APPLICANT: Harley, Calvin H.
; APPLICANT: Andrews, William H.

TITLE OF INVENTION: No. US20030009019A1 Telomerase
; NUMBER OF SEQUENCES: 223
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94111-3834

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/438,486
; FILING DATE: 12-NOV-1999
; CLASSIFICATION: 536
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/851,843
; FILING DATE: 06-MAY-1997
; CLASSIFICATION: 536
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/438,486
; FILING DATE: 25-APR-1997
; CLASSIFICATION: 536
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; CLASSIFICATION: 536
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph T.
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002931US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 184:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 52 amino acids

TYPE: amino acid
; STRANDEDNESS: linear
; MOLECULE TYPE: peptide

Query Match 27.6%; Score 56; DB 11; Length 52;
; Best Local Similarity 36.8%; Pred. No. 2.1; Mismatches 3; Indels 0; Gaps 0;

Query Match 27.6%; Score 56; DB 10; Length 52;
; Best Local Similarity 36.8%; Pred. No. 2.1;

Morin, Gregg B.
 Harley, Calvin H.
 Andrews, William H.

TITLE OF INVENTION: No. US20030059787A1el Telomerase
 NUMBER OF SEQUENCES: 225
 CORRESPONDENCE ADDRESS:
 ADDRESSE: Townsend and Townsend and Crew LLP
 STREET: Two Embarcadero Center, 8th Floor
 CITY: San Francisco
 STATE: California
 COUNTRY: United States of America
 ZIP: 94111

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US 10/054, 611
 FILING DATE: 18-Jan-2002
 CLASSIFICATION: 536

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/854, 050
 FILING DATE: <Unknown>
 APPLICATION NUMBER: US 08/846, 017
 FILING DATE: 25-Apr-1997
 APPLICATION NUMBER: US 08/844, 419
 FILING DATE: 18-Apr-1997
 APPLICATION NUMBER: US 08/724, 643
 FILING DATE: 01-Oct-1996

ATTORNEY/AGENT INFORMATION:

NAME: Apple, Randolph T.
 REGISTRATION NUMBER: 36,429
 TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 576-0200
 TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 184:

SEQUENCE CHARACTERISTICS:

LENGTH: 52 amino acids

TYPE: amino acid

STRANDEDNESS: <Unknown>

TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 184:

US-10-054-611-184

Query Match Best Local Similarity 36.8%; Score 56; DB 15; Length 52; Matches 14; Conservative 3; Mismatches 21; Indels 0; Gaps 0;

QY 1 GHRSSAQRTREPTMAPFDWLHPPVAVADSPRA 38
 Db 11 GSRSSPASPRTRACVGMWSPRPPMGTSARPSRA 48

RESULT 7

US-09-858-155A-2

; Sequence 2, Application US/09858155A

; Patent No. US20020137049A1

GENERAL INFORMATION:

APPLICANT: Mark, Robert
 APPLICANT: Young, Kathleen H.

APPLICANT: Wood, Andrew

TITLE OF INVENTION: PABLO, A POLYPEPTIDE THAT INTERACTS WITH BCL-XL, AND TITLE OF INVENTION: USES RELATED THERETO

FILE REFERENCE: GNN-015

CURRENT APPLICATION NUMBER: US/09/858,155A

CURRENT FILING DATE: 2001-05-15

NUMBER OF SEQ ID NOS: 2

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 2

LENGTH: 559

RESULT 8

US-10-156-761-975

; Sequence 975, Application US/10156761

; Publication No. US20030119018A1

GENERAL INFORMATION:

APPLICANT: OMURA, SATOSHI
 APPLICANT: IKEDA, HARUO
 APPLICANT: ISHIKAWA, JUN
 APPLICANT: HORIKAWA, HIROSHI
 APPLICANT: SHIBA, TADAYOSHI
 APPLICANT: SAKAKI, YOSHITAKI
 APPLICANT: HATTORI, MASAMIRA

TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES FILE REFERENCE: 249-262

CURRENT APPLICATION NUMBER: US 10/156, 761

CURRENT FILING DATE: 2002-05-29

PRIOR APPLICATION NUMBER: JP 2001-204089

PRIOR FILING DATE: 2001-05-30

PRIOR APPLICATION NUMBER: JP 2001-272697

PRIOR FILING DATE: 2001-08-02

NUMBER OF SEQ ID NOS: 15109

SEQ ID NO 975

LENGTH: 413

TYPE: PRT

ORGANISM: Streptomyces avermitilis

US-10-156-761-975

Query Match Best Local Similarity 41.7%; Score 52; DB 15; Length 413; Matches 10; Conservative 4; Mismatches 10; Indels 0; Gaps 0;

QY 13 REPTMAPFDWLHPPVAVADSPS 36
 Db 211 REDTQGRMWFLDIQLTAAVDTPA 234

RESULT 9

US-09-147-947-6

; Sequence 6, Application US/09147947A

; Patent No. US20020160490A1

GENERAL INFORMATION:

APPLICANT: TSURUYA, No. US20020160490A1uo

APPLICANT: YAMASHIRO, Kyoko

APPLICANT: YAMAGUCHI, No. US20020160490A1omi

TITLE OF INVENTION: NO. US20020160490A1el Serine Protease

CURRENT APPLICATION NUMBER: US/09/147, 947A

CURRENT FILING DATE: 1997-03-24

EARLIER APPLICATION NUMBER: PCT/JP98/03324

EARLIER FILING DATE: 1998-07-24

EARLIER APPLICATION NUMBER: JP 9/213969

EARLIER FILING DATE: 1997-07-24

NUMBER OF SEQ ID NOS: 6

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 6

LENGTH: 822

TYPE: PRT

ORGANISM: Human

FEATURE: OTHER INFORMATION:

US-09-147-947-6

Query Match 25.6%; Score 52; DB 10; Length 822;
 Best Local Similarity 33.3%; Pred. No. 1.2e+02;
 Matches 14; Conservative 7; Mismatches 13; Indels 8; Gaps 2;

Qy 2 HRRSSAQRDTREPTMA-PDPWILHPVVA-----VAADSP 35
 Db 762 HKRVVDSCQGDSGGPLMCERPESWVYGVMSWGYGCGVKDSSP 803

RESULT 10

US-10-156-761-12063
 Sequence 12063, Application US/10156761
 Publication No. US20030119018A1

GENERAL INFORMATION:

APPLICANT: IKEDA, HARUO
 APPLICANT: OMURA, SATOSHI
 APPLICANT: ISHIKAWA, JUN
 APPLICANT: HORIKAWA, HIROSHI
 APPLICANT: SHIBA, TADAYOSHI
 APPLICANT: SAKAKI, YOSHITAKI
 APPLICANT: HATTORI, MASAHIRA

TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES

FILE REFERENCE: 249-262
 CURRENT APPLICATION NUMBER: US/10/156,761
 CURRENT FILING DATE: 2002-05-29

PRIOR APPLICATION NUMBER: JP 2001-204089
 PRIOR APPLICATION NUMBER: JP 2001-272697

PRIOR FILING DATE: 2001-08-02
 NUMBER OF SEQ ID NOS: 15109
 SEQ ID NO 12063

LENGTH: 653

TYPE: PRT

ORGANISM: Streptomyces avermitilis

US-10-156-761-12063
 Query Match 25.4%; Score 51.5; DB 15; Length 653;
 Best Local Similarity 27.7%; Pred. No. 1.1e+02;
 Matches 18; Conservative 2; Mismatches 16; Indels 29; Gaps 2;

Qy 3 RRRSSAQRDTREPTMA-PDPWILHPVVA-----VAADSP 33
 Db 135 RRRPAPGRHGFDPLPPPPRHAPPVVEDDARSMTTRHLAAQDFDPWFADLVHQVVD 194

Qy 34 SPSRA 38

Db 195 EPYRA 199

RESULT 11

US-10-072-036-131
 Sequence 131, Application US/10072036
 Publication No. US20030082564A1

GENERAL INFORMATION:

APPLICANT: Ole THASTRUP
 APPLICANT: Sara BJORN
 APPLICANT: Soren TULLIN
 APPLICANT: Kasper ALMHOLT

TITLE OF INVENTION: A Method For Extracting Quantitative Information Relating To An I

FILE REFERENCE: 3759-0120P
 CURRENT APPLICATION NUMBER: US/10/072,036

CURRENT FILING DATE: 2002-09-13
 PRIOR APPLICATION NUMBER: 09/417,197

PRIOR FILING DATE: 1999-10-07
 NUMBER OF SEQ ID NOS: 143
 SOFTWARE: PatentIn version 3.0

SEQ ID NO 133

LENGTH: 1181

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE: OTHER INFORMATION: NFAT-EGFP fusion

US-10-072-036-133
 Query Match 25.4%; Score 51.5; DB 15; Length 1181;

Best Local Similarity 30.5%; Pred. No. 2e+02;
 Matches 18; Conservative 5; Mismatches 11; Indels 25; Gaps 3;

Qy 1 GHRSSAQRDTREPTMA-PDPWILHPVVA-----VAADSPS 36
 Db 663 GKRKRSQPOFPTVHPVPAKTEPDBDYLICSPTHSGLGSQPYPPDRPM-VAEAPS 719

RESULT 12

US-10-072-036-133
 Sequence 133, Application US/10072036
 Publication No. US20030082564A1

GENERAL INFORMATION:

APPLICANT: Ole THASTRUP
 APPLICANT: Sara BJORN
 APPLICANT: Soren TULLIN
 APPLICANT: Kasper ALMHOLT

TITLE OF INVENTION: On A Cellular Response

FILE REFERENCE: 3759-0120P
 CURRENT APPLICATION NUMBER: US/10/072,036

CURRENT FILING DATE: 2002-09-13
 PRIOR APPLICATION NUMBER: 09/417,197

PRIOR FILING DATE: 1999-10-07
 NUMBER OF SEQ ID NOS: 143

SOFTWARE: PatentIn version 3.0

SEQ ID NO 131

LENGTH: 1171

TYPE: PRT

RESULT 13

US-09-925-299-958

Sequence 958, Application US/09925299

Patent No. US2003005627A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies

FILE REFERENCE: PA102

CURRENT APPLICATION NUMBER: US/09/925,299

CURRENT FILING DATE: 2001-08-10

PRIOR APPLICATION NUMBER: PCT/US00/05893

PRIOR FILING DATE: 2000-03-08

PRIOR APPLICATION NUMBER: 60/124,270

NUMBER OF SEQ ID NOS: 1556

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 958

LENGTH: 248

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE: SITE

LOCATION: (7)

; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

US-09-925-299-958

Query Match 25.1%; Score 51; DB 9; Length 248;

Best Local Similarity 50.0%; Pred. No. 48;

Matches 13; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

Qy 5 RSSAQDRTREPTMAPFDPWLLHPVVA 30

Db 127 RSYDACDLRPRDVTFDPFLVDPVVA 152

RESULT 14

US-09-925-299-958

; Sequence 958 Application US/09925299

; Publication No. US2003040617A9

; GENERAL INFORMATION:

; APPLICANT: Rosen et al.

; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies

; FILE REFERENCE: PA102

; CURRENT APPLICATION NUMBER: US/09/925, 299

; CURRENT FILING DATE: 2001-08-10

; PRIOR APPLICATION NUMBER: PCT/US00/05883

; PRIOR FILING DATE: 2000-03-08

; PRIOR FILING DATE: 1999-03-12

; NUMBER OF SEQ ID NOS: 1556

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO: 958

; LENGTH: 248

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE: SITE

; LOCATION: (7)

; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

US-09-925-299-958

Query Match 25.1%; Score 51; DB 11; Length 248;
Best Local Similarity 50.0%; Pred. No. 48;
Matches 13; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

Qy 5 RSSAQDRTREPTMAPFDPWLLHPVVA 30

Db 127 RSYDACDLRPRDVTFDPFLVDPVVA 152

RESULT 15

US-09-764-853-599

; Sequence 599 Application US/09764853

; Patent No. US20020090672A1

; GENERAL INFORMATION:

; APPLICANT: Rosen et al.

; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

; FILE REFERENCE: PUZ06

; CURRENT APPLICATION NUMBER: US/09/764, 853

; CURRENT FILING DATE: 2001-01-17

; Prior application data removed - consult PALM or file wrapper

; NUMBER OF SEQ ID NOS: 939

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO: 599

; LENGTH: 103

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE: SITE

; NAME/KEY: SITE

; LOCATION: (9)

; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

US-09-764-853-599

Query Match 24.9%; Score 50.5%; DB 9; Length 103;
Best Local Similarity 31.6%; Pred. No. 22;

Matches 12; Conservative 6; Mismatches 17; Indels 3; Gaps 1;

Qy 1 GHRRSSAORD--TREPWTMAPFDPWLLHPVVA 35
Db 23 GSERSSGSEKKQVQCNPAPLPFWLGLAPLVREP 60

Search completed: July 25, 2003, 13:08:12

Job time : 11.2057 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on:

July 25, 2003, 12:38:05 ; Search time 2.95429 Seconds

(without alignments)

315.081 Million cell updates/sec

Title: US-09-987-357-4

Perfect score: 116

Sequence: 1 MALFDPWLLHPVAVADSPSRA 22

Scoring table: BLOSUM62

Gapop 10.0 , Gapext: 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Database : Issued Patents AA:*

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2: /cgnp2_6/pctdata/1/1aa/5B-COMB.pep:*

3: /cgnp2_6/pctdata/1/1aa/6A-COMB.pep:*

4: /cgnp2_6/pctdata/1/1aa/6B-COMB.pep:*

5: /cgnp2_6/pctdata/1/1aa/PCTUS-COMB.pep:*

6: /cgnp2_6/pctdata/1/1aa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

ALIGNMENTS

RESULT 1
US-09-452-817-4
; Sequence 4, Application US/09452817

; Patent No. 6342374

; GENERAL INFORMATION:

; APPLICANT: Carmichael, David F

; APPLICANT: Stricklin, George P

; APPLICANT: Welgus, Howard G

; TITLE OF INVENTION: Human Collagenase Inhibitor, Recombinant Vector System

; TITLE OF INVENTION: For Using Same And Recombinant-DNA Method For

; TITLE OF INVENTION: Manufacture Of Same

; FILE REFERENCE: Serial No. 6342374 09/052,817

; CURRENT APPLICATION NUMBER: US/09/452,817

; CURRENT FILING DATE: 2001-06-22

; PRIOR APPLICATION NUMBER: 08/474,553

; PRIOR FILING DATE: 1995-06-07

; PRIOR APPLICATION NUMBER: 08/050,739

; PRIOR FILING DATE: 1993-04-21

; PRIOR APPLICATION NUMBER: 07/853,018

; PRIOR FILING DATE: 1992-03-18

; PRIOR APPLICATION NUMBER: 07/517,475

; PRIOR FILING DATE: 1990-05-01

; PRIOR APPLICATION NUMBER: 07/320,923

; PRIOR FILING DATE: 1989-03-08

; PRIOR APPLICATION NUMBER: 06/784,319

; PRIOR FILING DATE: 1985-10-04

; PRIOR APPLICATION NUMBER: 06/699,181

; PRIOR FILING DATE: 1985-02-05

; NUMBER OF SEQ ID NOS: 20

; NUMBER OF SEQ ID NOS: 20

; NUMBER OF SEQ ID NOS: 20

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 4

; LENGTH: 22

; TYPE: PRT

; ORGANISM: Homo sapiens

; US-09-452-817-4

Query Match 100.0%; Score 116; DB 4; Length 22;
Best Local Similarity 100.0%; Pred. No. 3e-12; 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MALFDPWLLHPVAVADSPSRA 22
Db 1 MALFDPWLLHPVAVADSPSRA 22

Sequence 18633, A
Sequence 23533, A
Sequence 18766, A
Sequence 5907, A
Sequence 2, Appli
Sequence 3, Appli
Sequence 26165, A
Sequence 26165,

GENERAL INFORMATION:
 APPLICANT: Carmichael, David F
 APPLICANT: Anderson, David C
 APPLICANT: Stricklin, George P
 APPLICANT: Welgis, Howard G
 TITLE OF INVENTION: For Using Same And Recombinant-DNA Method For
 TITLE OF INVENTION: Manufacture Of Same
 FILE REFERENCE: Serial No. 6342374 09/452, 817
 CURRENT APPLICATION NUMBER: US/09/452, 817
 CURRENT FILING DATE: 2001-06-22
 PRIOR APPLICATION NUMBER: 08/474, 553
 PRIOR FILING DATE: 1995-06-07
 PRIOR APPLICATION NUMBER: 08/050, 739
 PRIOR FILING DATE: 1993-04-21
 PRIOR APPLICATION NUMBER: 07/853, 018
 PRIOR FILING DATE: 1992-03-18
 PRIOR APPLICATION NUMBER: 08/474, 475
 PRIOR FILING DATE: 1990-05-01
 PRIOR APPLICATION NUMBER: 07/320, 923
 PRIOR FILING DATE: 1989-03-08
 PRIOR APPLICATION NUMBER: 06/784, 319
 PRIOR FILING DATE: 1985-10-04
 PRIOR APPLICATION NUMBER: 06/699, 181
 PRIOR FILING DATE: 1985-02-05
 NUMBER OF SEQ ID NOS: 20
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 3
 LENGTH: 38
 TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-452-817-3

Query Match 94.0%; Score 109; DB 4; Length 38;
 Best Local Similarity 95.5%; Pred. No. 7.5e-11; Mismatches 0; Indels 0; Gaps 0;
 Matches 21; Conservative 1; MiMatches 1; Indels 0; Gaps 0;

Qy 1 MALFDPMILHPPVAVADSPSRA 22
 Db 17 MAPFDPDWLLHPVAVADSPSRA 38

RESULT 3
 US-09-252-991A-30008
 ; Sequence 30008, Application US/09252991A
 ; Patent No. 6551795
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; FILE REFERENCE: 107196-136
 ; CURRENT APPLICATION NUMBER: US/09/252, 991A
 ; CURRENT FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/074, 788
 ; PRIOR FILING DATE: 1998-02-18
 ; PRIOR APPLICATION NUMBER: US 60/094, 190
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO: 30722
 ; LENGTH: 493
 ; TYPE: PRT
 ; ORGANISM: Pseudomonas aeruginosa
 ; US-09-252-991A-30722

Query Match 37.5%; Score 43.5; DB 4; Length 148;
 Best Local Similarity 41.7%; Pred. No. 12; Mismatches 9; Indels 3; Gaps 1;
 Matches 10; Conservative 2; MiMatches 9; Indels 3; Gaps 1;

Qy 2 ALFDPMILHPPVAVA--DSPSRA 22
 Db 37 ASFSPWAIRPSAAATATRSPGRS 60

RESULT 4
 US-09-252-991A-28274
 ; Sequence 28274, Application US/09252991A
 ; Patent No. 6551795
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; FILE REFERENCE: 107196-136
 ; CURRENT APPLICATION NUMBER: US/09/252, 991A
 ; CURRENT FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/074, 788
 ; PRIOR FILING DATE: 1998-02-18
 ; PRIOR APPLICATION NUMBER: US 60/094, 190
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO: 28274
 ; LENGTH: 148
 ; TYPE: PRT
 ; ORGANISM: Pseudomonas aeruginosa
 ; US-09-252-991A-28274

Query Match 37.5%; Score 43.5; DB 4; Length 493;
 Best Local Similarity 52.4%; Pred. No. 46; Mismatches 11; Conservative 3; MiMatches 6; Indels 1; Gaps 1;
 Matches 11; Conservative 3; MiMatches 6; Indels 1; Gaps 1;

Qy 2 ALFDPMILHPPVAVADSPSRA 21
 Db 109 ALFDPMILHPPVAVADSPSRA 129

RESULT 5
 US-09-252-991A-30722
 ; Sequence 30722, Application US/09252991A
 ; Patent No. 6551795
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
 ; FILE REFERENCE: 107196-136
 ; CURRENT APPLICATION NUMBER: US/09/252, 991A
 ; CURRENT FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/074, 788
 ; PRIOR FILING DATE: 1998-02-18
 ; PRIOR APPLICATION NUMBER: US 60/094, 190
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO: 30722
 ; LENGTH: 493
 ; TYPE: PRT
 ; ORGANISM: Pseudomonas aeruginosa
 ; US-09-252-991A-30722

Query Match 37.5%; Score 43.5; DB 4; Length 493;
 Best Local Similarity 52.4%; Pred. No. 46; Mismatches 11; Conservative 3; MiMatches 6; Indels 1; Gaps 1;
 Matches 11; Conservative 3; MiMatches 6; Indels 1; Gaps 1;

Qy 2 ALFDPMILHPPVAVADSPSRA 21
 Db 109 ALFDPMILHPPVAVADSPSRA 129

RESULT 6
 US-09-252-991A-17176
 ; Sequence 17176, Application US/09252991A
 ; Patent No. 6551795
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; FILE REFERENCE: 107196-136
 ; CURRENT APPLICATION NUMBER: US/09/252, 991A
 ; CURRENT FILING DATE: 1999-02-18

Query Match 38.8%; Score 45; DB 4; Length 321;
 Best Local Similarity 52.6%; Pred. No. 16; Mismatches 10; Conservative 2; MiMatches 7; Indels 0; Gaps 0;
 Matches 10; Conservative 2; MiMatches 7; Indels 0; Gaps 0;

Qy 3 LFPDPWLLHPVAVADSPSR 21
 Db 71 LDDPPLHDDAVGDPQ 89

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; PRIOR APPLICATION NUMBER: US 60/074, 788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094, 190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO: 17176
; LENGTH: 414
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
; US-09-252-991A-17176

RESULT 7
Query Match 37.1%; Score 43; DB 4; Length 414;
Best Local Similarity 57.1%; Pred. No. 46; DB 4; length 323;
Matches 8; Conservative 4; Mismatches 2; Indels 0; Gaps 0;
Qy 8 ILHPVAVADSPSR 21
Db 279 ILYPLISABPSR 292

RESULT 7
US-09-252-991A-21178
; Sequence 21178, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252, 991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074, 788
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094, 190
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO: 21178
; LENGTH: 154
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
; US-09-252-991A-21178

Query Match 36.2%; Score 42; DB 4; Length 154;
Best Local Similarity 50.0%; Pred. No. 22; DB 4; length 154;
Matches 8; Conservative 1; Mismatches 7; Indels 0; Gaps 0;
Qy 6 PWLLHPVAVADSPSR 21
Db 98 PWCLPPEATAAQPSQ 113

RESULT 8
US-09-252-991A-26419
; Sequence 26419, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252, 991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074, 788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094, 190
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO: 24419
; LENGTH: 374
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
; US-09-252-991A-24419

Query Match 36.2%; Score 42; DB 4; Length 374;
Best Local Similarity 46.2%; Pred. No. 59; DB 4; length 323;
Matches 6; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
Qy 10 HPVAVADSPSR 22
Db 344 HPVKISDTPGKA 356

RESULT 9
US-09-252-991A-28868
; Sequence 28868, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252, 991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074, 788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094, 190
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO: 28868
; LENGTH: 371
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
; US-09-252-991A-28868

Query Match 36.2%; Score 42; DB 4; Length 371;
Best Local Similarity 52.9%; Pred. No. 58; DB 4; length 323;
Matches 9; Conservative 1; Mismatches 7; Indels 0; Gaps 0;
Qy 6 PWLLHPVAVADSPSR 22
Db 47 PWLLRLVLPADSGAA 63

RESULT 10
US-09-252-991A-24418
; Sequence 24418, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252, 991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074, 788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094, 190
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO: 24418
; LENGTH: 374
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
; US-09-252-991A-24418

Query Match 36.2%; Score 42; DB 4; Length 374;
Best Local Similarity 46.2%; Pred. No. 59; DB 4; length 323;
Matches 6; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
Qy 10 HPVAVADSPSR 22
Db 344 HPVKISDTPGKA 356

RESULT 11
US-09-252-991A-27349

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Sequence 27349, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107195_136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 27349
; LENGTH: 407
; TYPE: PRT
; ORGANISM: *Pseudomonas aeruginosa*
; US-09-252-991A-27349
Query Match 36.2%; Score 42; DB 4; Length 407;
Best Local Similarity 60.0%; Pred. No. 65; Mismatches 9; Conservative 2; Indels 0; Gaps 0;
Matches 4; Type: PRT
Qy 4 FDPWMLHPPVAVADS 18
Db 356 FDPRLVEFAVAVADA 370
RESULT 12
US-09-252-991A-21521
; Sequence 21521, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107195_136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 21521
; LENGTH: 438
; TYPE: PRT
; ORGANISM: *Pseudomonas aeruginosa*
; US-09-252-991A-21521
Query Match 36.2%; Score 42; DB 4; Length 438;
Best Local Similarity 47.4%; Pred. No. 71; Mismatches 9; Conservative 2; Indels 0; Gaps 0;
Matches 8; Type: PRT
Qy 1 1 MALFDPWMLHPPVAVADS 19
Db 169 MALFDLKLHPRIRIARGP 187
RESULT 13
US-09-252-991A-22339
; Sequence 22339, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107195_136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 22339
; LENGTH: 512
; TYPE: PRT
; ORGANISM: *Pseudomonas aeruginosa*
; US-09-252-991A-22339
Query Match 36.2%; Score 42; DB 4; Length 512;
Best Local Similarity 80.0%; Pred. No. 84; Mismatches 8; Conservative 0; Indels 0; Gaps 0;
Matches 10; Type: PRT
Qy 10 HPVVAVADSP 19
Db 48 HPVEAVADQP 57
RESULT 14
US-09-328-352-5361
; Sequence 5361, Application US/093283352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: GTGC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 5361
; LENGTH: 774
; TYPE: PRT
; ORGANISM: *Acinetobacter baumannii*
; US-09-328-352-5361
Query Match 36.2%; Score 42; DB 4; Length 774;
Best Local Similarity 50.0%; Pred. No. 1.3e-02; Mismatches 7; Conservative 2; Indels 0; Gaps 0;
Matches 3; Type: PRT
Qy 3 LFDPWMLHPPVAVA 16
Db 184 LFDDWYIQPALLVA 197
RESULT 15
US-09-227-357-594
; Sequence 594, Application US/09227357
; Patent No. 6342581
; GENERAL INFORMATION:
; APPLICANT: Fischer et al.
; TITLE OF INVENTION: 123 Human Secreted Proteins
; FILE REFERENCE: P2010P1
; CURRENT APPLICATION NUMBER: US/09/227,357
; CURRENT FILING DATE: 1999-01-08
; EARLIER APPLICATION NUMBER: PCT/US98/13684
; EARLIER FILING DATE: 1998-07-07
; EARLIER APPLICATION NUMBER: 60/051,926
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,793
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,925
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,929
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,803
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,732
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,931
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,932
; EARLIER FILING DATE: 1997-07-08

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EARLIER APPLICATION NUMBER: 60/051,916
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051,930
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051,918
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051,920
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/052,733
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/052,795
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051,919
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051,928
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/055,722
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,723
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/051,948
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,949
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,953
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,950
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,947
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,944
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/056,360
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,941
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,964
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,954
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/058,785
EARLIER FILING DATE: 1997-09-12
EARLIER APPLICATION NUMBER: 60/058,664
EARLIER FILING DATE: 1997-09-12
EARLIER APPLICATION NUMBER: 60/058,660
EARLIER FILING DATE: 1997-09-12
EARLIER APPLICATION NUMBER: 60/058,661
EARLIER FILING DATE: 1997-09-12
NUMBER OF SEQ ID NOS: 672
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 594
LENGTH: 50
TYPE: PRT
ORGANISM: Homo sapiens
US-09-227-357-94

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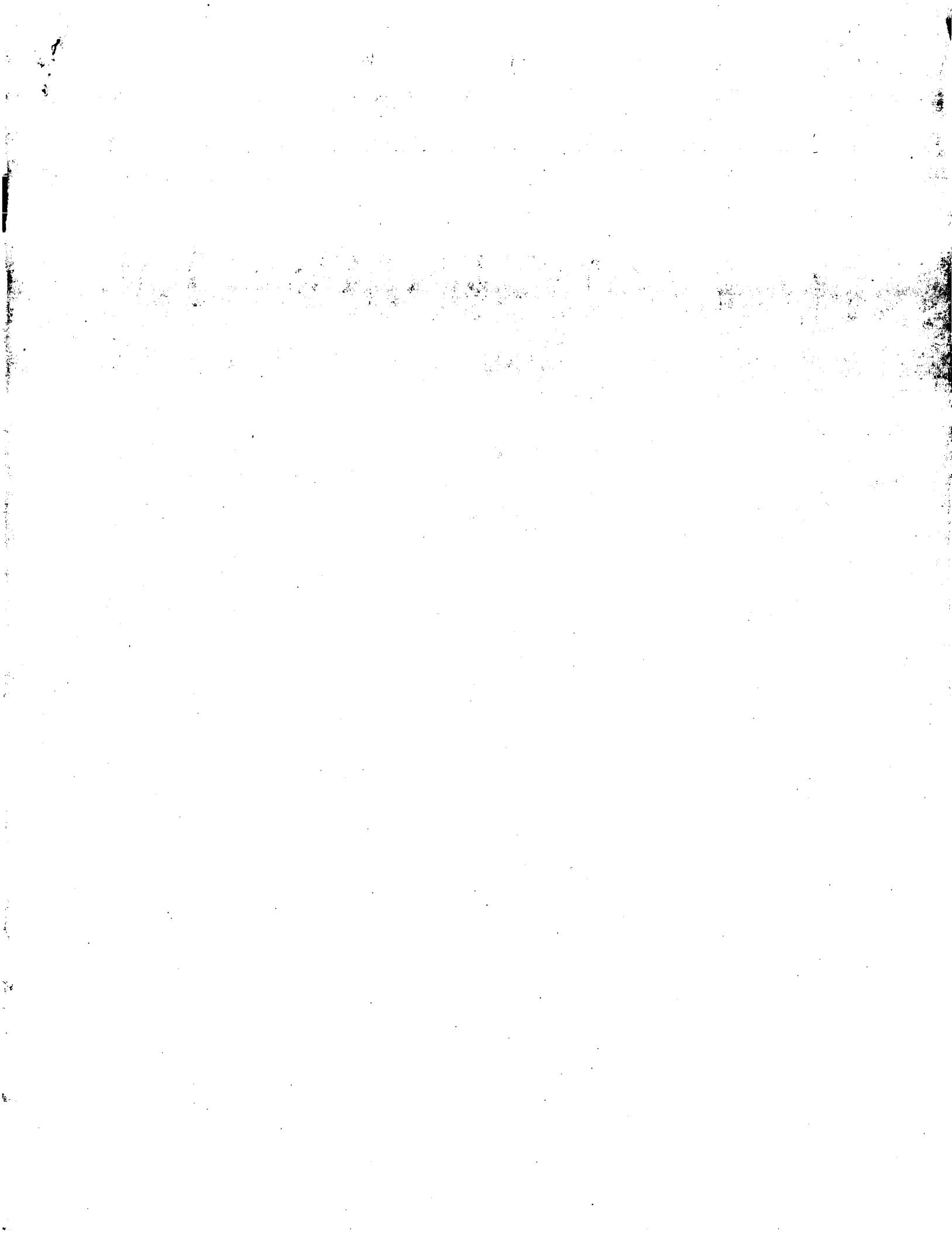
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Query Match      35.3%; Score 41; DB 4; Length 50;
Best Local Similarity 47.6%; Pred. No. 8.8;
Matches 10; Conservative 2; Mismatches 5; Indels 4; Gaps 1;

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Db	22 ALFPSSWLSNPVAL---PSRS
	38

Search completed: July 25, 2003, 12:54:59
Job time : 3.95429 secs



GenCore version 5.1.6
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OM protein - protein search, using sw model
 Run on: July 25, 2003, 12:53:51 ; Search time 5.90857 Seconds
 (Without alignments)
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Title: US-09-987-357-4
 Perfect score: 116
 Sequence: 1 MALFDPWILHPVAVADSPSRA. 22
 Scoring table: BLOSUM62
 Gapop 10.0 , Gapext 0.5

Searched: 451899 seqs, 11875770 residues
 Total number of hits satisfying chosen parameters: 451899
 Minimum DB seq length: 0
 Maximum DB seq length: 200000000
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 Maximum Match 100%
 Listing first 45 summaries

Database : Published Applications AA:*

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 15: /cgn2_6/ptodata/2/pubpaal/us10C_PUBCOMB.pep: *
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Match	Query Length	DB ID	Description
1	46.5	40.1	149	11	US-09-895-298-218 Sequence 218, APP Sequence 12063, A
2	45.5	39.2	653	15	US-10-156-761-12063 Sequence 11, Appl
3	45	38.8	5877	15	US-10-143-515-11 Sequence 8, Appl
4	45	38.8	5935	15	US-10-243-243A-8 Sequence 6,30, Ap
5	43.5	37.5	372	10	US-09-738-626-6130 Sequence 80, Appl
6	42	36.2	81	9	US-09-729-674-80 Sequence 213, Ap
7	42	36.2	165	10	US-09-796-692-2163 Sequence 213, AP
8	42	36.2	165	15	US-10-040-862-2163 Sequence 23, Appl
9	42	36.2	215	10	US-09-749-728B-23 Sequence 239, App
10	42	36.2	215	15	US-10-157-239 Sequence 2, Appl
11	42	36.2	311	15	US-10-154-506A-2 Sequence 5, Appl
12	42	36.2	311	15	US-10-154-506A-5 Sequence 7, Appl
13	42	36.2	315	15	US-10-154-506A-7 Sequence 5190, Ap
14	42	35.2	323	9	US-09-815-242-5190 Sequence 14847, A
15	36.2	335	US-10-156-761-14847		

RESULT 1
 US-09-895-298-218
 Sequence 218, Application US/09895298
 Publication No. US20030078405A1
 GENERAL INFORMATION:
 APPLICANT: Rosen et al.
 TITLE OF INVENTION: Human Secreted Proteins
 FILE REFERENCE: PZ035P1
 CURRENT APPLICATION NUMBER: US/09/895,298
 CURRENT FILING DATE: 2001-07-02
 PRIOR APPLICATION NUMBER: 09/591,16
 PRIOR FILING DATE: 2000-06-09
 PRIOR APPLICATION NUMBER: PCT/US99/29950
 PRIOR FILING DATE: 1999-12-15
 PRIOR APPLICATION NUMBER: 60/113,006
 PRIOR FILING DATE: 1998-12-18
 PRIOR APPLICATION NUMBER: 60/112,809
 PRIOR FILING DATE: 1998-12-17
 NUMBER OF SEQ ID NOS: 231
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 218
 LENGTH: 149
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-895-298-218

Query Match 40.1%; Score 46.5; DB 11; Length 149;
 Best Local Similarity 45.0%; Pred. No. 17;
 Matches 9; Conservative 3; Mismatches 5; Indels 3; Gaps 1;

QY 6 PWLHHPVAV--ADSPSRA 22
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 Db 6 PWLHHPVAV--ADSPSRA 25

RESULT 2
 US-10-156-761-12063
 Sequence 12063, Application US/10156761

Publication No. US20030119018A1
; GENERAL INFORMATION:
; APPLICANT: OMURA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HORIKAWA, HIROSHI
; APPLICANT: SHIBA, TADAYOSHI
; APPLICANT: SAKAKI, YOSHIYUKI
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-2-62
; CURRENT APPLICATION NUMBER: US/10/156,761
; CURRENT FILING DATE: 2002-05-29
; PRIORITY APPLICATION NUMBER: JP 2001-204089
; PRIORITY FILING DATE: 2001-05-30
; PRIORITY APPLICATION NUMBER: JP 2001-272697
; PRIORITY FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO: 12053
; LENGTH: 653
; TYPE: PRT
; ORGANISM: Streptomyces avermitillii
; US-10-156-761-12063

Query Match 39.2%; Score 45.5; DB 15; Length 653;
Best Local Similarity 55.0%; Pred. No. 1.1e+02;
Matches 11; Conservative 0; Mismatches 8; Indels 1; Gaps 1;

Qy 4 FDPWMILHPVVAVADSPSRA 22
Db 180 FDPWMFADLUVHQVDEPYRA 199

RESULT 3
US-10-142-515-11
; Sequence 11, Application US/10142515
; Publication No. US20030078393A1
; GENERAL INFORMATION:
; APPLICANT: SLOAN KETTERING INSTITUTE FOR CANCER RESEARCH
; APPLICANT: Lloyd, Kenneth O.
; APPLICANT: Yin, Beatrice W.T.
; TITLE OF INVENTION: Nucleic Acid Sequence Encoding Ovarian Antigen, CA125, and Uses
FILE REFERENCE: 649-A-US
CURRENT APPLICATION NUMBER: US/10/142,515
CURRENT FILING DATE: 2002-07-23
PRIORITY APPLICATION NUMBER: US 60/290,480
PRIORITY FILING DATE: 2001-05-11
NUMBER OF SEQ ID NOS: 11
SOFTWARE: PatentIn version 3.1
SEQ ID NO: 11
LENGTH: 5877
TYPE: PRT
ORGANISM: Human Being
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (1)-(5877)
OTHER INFORMATION: amino acid sequence of MUC16B
; US-10-142-515-11

Query Match 38.8%; Score 45; DB 15; Length 5877;
Best Local Similarity 60.0%; Pred. No. 1.2e+03; Mismatches 9; Conservative 0; Indels 6; Gaps 0;

Qy 6 PMLILHPVAVADSPS 20
Db 750 PMLILHPVAVADSPSAS 764

RESULT 5
US-09-738-626-6130
; Sequence 6130, Application US/09738626
; Publication No. US20020197605A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SETKO
; APPLICANT: HAYASHI, MIKIRO
; APPLICANT: OCHIAI, KEIKO
; APPLICANT: YOKOI, HARUHIKO
; APPLICANT: TATEISHI, NAOKO
; APPLICANT: SENOH, AKIHIRO
; APPLICANT: IKEDA, MASATO
; APPLICANT: OZAKI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
FILE REFERENCE: 249-125
CURRENT APPLICATION NUMBER: US/09/738,626
CURRENT FILING DATE: 2000-12-18
PRIORITY APPLICATION NUMBER: JP 99/377484
PRIORITY FILING DATE: 1999-12-16
PRIORITY APPLICATION NUMBER: JP 00/159162
PRIORITY FILING DATE: 2000-04-07
PRIORITY APPLICATION NUMBER: JP 00/280988
PRIORITY FILING DATE: 2000-08-03
NUMBER OF SEQ ID NOS: 7059
SOFTWARE: PatentIn ver. 3.0
SEQ ID NO: 6310
LENGTH: 372
TYPE: PRT
ORGANISM: Corynebacterium glutamicum
US-09-738-626-6130

Query Match 37.5%; Score 43.5; DB 10; Length 372;
Best Local Similarity 37.0%; Pred. No. 1.2e-02; Mismatches 10; Conservative 6; Mismatches 6; Indels 5; Gaps 2;

Qy 1 MALFDPP-WLWH---PVAVADSPSRA 22
Db 210 LGLFDPQWVWHSRDRPTITASALATA 236

RESULT 4
US-10-243-243A-8
Sequence 8, Application US/10243243A
Publication No. US20030104442A1
GENERAL INFORMATION:

RESULT 6
US-09-729-674-80
; Sequence 80, Application US/09729674
; Patent No. US200100393541
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M.
; APPLICANT: Lavallie, Edward R.
; APPLICANT: Collins-Recie, Lisa A.
; APPLICANT: Evans, Cheryl
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Agostino, Michael J.
; APPLICANT: Steininger II, Robert J.
; APPLICANT: Spaulding, Vikki
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Pechtel, Kim
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
; FILE REFERENCE: 605564X
; CURRENT APPLICATION NUMBER: US/09-729-674
; CURRENT FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: 09/539,330
; PRIOR FILING DATE: 2000-03-30
; NUMBER OF SEQ ID NOS: 283
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO: 80
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-729-674-80

Query Match 36.2%; Score 42; DB 9; Length 81;
Best Local Similarity 87.5%; Pred. No. 41;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 7 WLHLPVVA 14
Db 32 WLHLPVVA 39

RESULT 7
US-09-796-692-2163
; Sequence 2163, Application US/09796692
; Publication No. US20020198362A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Mannion, Jane
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy
; TITLE OF INVENTION: HEMATOLOGICAL MALIGNANCIES
; TITLE OF INVENTION: HEMATOLOGICAL MALIGNANCIES
; FILE REFERENCE: 014058-013520US
; CURRENT APPLICATION NUMBER: US10/040,862
; CURRENT FILING DATE: 2001-11-06
; PRIOR APPLICATION NUMBER: US 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: US 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: US 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/200,303
; PRIOR FILING DATE: 2000-04-08
; PRIOR APPLICATION NUMBER: US 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: US 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: US 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: US 60/223,378
; PRIOR FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: US 09/796,692
; PRIOR FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 10467
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 2163

RESULT 8
US-10-040-862-2163
; Sequence 2163, Application US/10040862
; Publication No. US20030078396A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; APPLICANT: Rettler, Marc
; TITLE OF INVENTION: Hematological Malignancies
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy
; TITLE OF INVENTION: Hematological Malignancies
; FILE REFERENCE: 014058-013520US
; CURRENT APPLICATION NUMBER: US10/040,862
; CURRENT FILING DATE: 2001-11-06
; PRIOR APPLICATION NUMBER: US 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: US 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: US 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/200,303
; PRIOR FILING DATE: 2000-04-08
; PRIOR APPLICATION NUMBER: US 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,999
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; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: US 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: US 60/223,378
; PRIOR FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: US 09/796,692
; PRIOR FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 10467
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 2163

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; LENGTH: 165
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: variant
; LOCATION: (1)..(165)
; OTHER INFORMATION: Xaa = Any amino acid

US-10-040-862-2163
Query Match 36.2%; Score 42; DB 15; Length 165;
Best Local Similarity 42.1%; Pred. No. 86; Matches 8; Conservative 3; Mismatches 8; Indels 0; Gaps 0;
Qy 3 LDPWLLHPVAVADSPSR 21
Db 135 LLDPWMQTPAEDVPLNPSK 153
RESULT 9
US-09-749-728B-23
; Sequence 23, Application US/09749728B
; Patent No. US20020142457A1
GENERAL INFORMATION:
APPLICANT: Umezawa, Akihiro
APPLICANT: Hata, Jun-ichi
APPLICANT: Fukuda, Keiichi
APPLICANT: Ogawa, Satoshi
APPLICANT: Sakurada, Kazuhiko
APPLICANT: Gojo, Satoshi
APPLICANT: Yamada, Yoji
TITLE OF INVENTION: THE CELL HAVING THE POTENTIALITY OF DIFFERENTIATION INTO CARDIOMYOFIBROBLASTS
FILE REFERENCE: 0765-00043
CURRENT APPLICATION NUMBER: US/09/749, 728B
CURRENT FILING DATE: 2001-09-17
PRIOR APPLICATION NUMBER: H1-372826
SEQ ID NO 23
LENGTH: 215
TYPE: PRT
ORGANISM: Homo sapiens
US-09-749-728B-23

Query Match 36.2%; Score 42; DB 10; Length 215;
Best Local Similarity 42.1%; Pred. No. 1.1e+02; Matches 8; Conservative 1; Mismatches 8; Indels 0; Gaps 0;
Qy 3 LDPWLLHPVAVADSPSR 21
Db 135 LLDPWMQTPAEDVPLNPSK 153
RESULT 10
US-10-157-031-239
; Sequence 23, Application US/10157031
; Publication No. US20030108890A1
GENERAL INFORMATION:
APPLICANT: Baranova, A. V.
APPLICANT: Yankovsky, N. K.
APPLICANT: Kozlov, A. P.
APPLICANT: Lobashev, A. V.
APPLICANT: Kruskovskaya, L. L.
TITLE OF INVENTION: In silico screening for phenotype-associated expressed sequences
FILE REFERENCE: 2760-103
CURRENT APPLICATION NUMBER: US/10/157,031
CURRENT FILING DATE: 2002-05-30
NUMBER OF SEQ ID NOS: 415
SOFTWARE: PatentIn version 3.1
RESULT 11
US-10-154-506A-2
; Sequence 2, Application US/10154506A
Publication No. US20030125331A1
GENERAL INFORMATION:
APPLICANT: Li, Jun et al.
TITLE OF INVENTION: Methods and Compounds for the Diagnosis of Inflammatory Disease and Treatment of Inflammatory Disease
FILE REFERENCE: 9/206-217
CURRENT APPLICATION NUMBER: US/10/154, 506A
CURRENT FILING DATE: 2002-05-23
PRIOR APPLICATION NUMBER: US 60/292, 968
PRIOR FILING DATE: 2001-05-23
NUMBER OF SEQ ID NOS: 11
SOFTWARE: PatentIn version 3.1
SEQ ID NO 2
LENGTH: 311
TYPE: PRT
ORGANISM: Homo sapiens
US-10-154-506A-2

Query Match 36.2%; Score 42; DB 15; Length 311;
Best Local Similarity 42.1%; Pred. No. 1.6e+02; Matches 8; Conservative 1; Mismatches 8; Indels 0; Gaps 0;
Qy 3 LDPWLLHPVAVADSPSR 21
Db 281 LLDPWMQTPAEDVPLNPSK 299
RESULT 12
US-10-154-506A-5
; Sequence 5, Application US/10154506A
Publication No. US20030125231A1
GENERAL INFORMATION:
APPLICANT: Li, Jun et al.
TITLE OF INVENTION: Methods and Compounds for the Diagnosis of Inflammatory Disease and Treatment of Inflammatory Disease
FILE REFERENCE: 9/206-217
CURRENT APPLICATION NUMBER: US/10/154, 506A
CURRENT FILING DATE: 2002-05-23
PRIOR APPLICATION NUMBER: US 60/292, 968
PRIOR FILING DATE: 2001-05-23
NUMBER OF SEQ ID NOS: 11
SOFTWARE: PatentIn version 3.1
SEQ ID NO 5
LENGTH: 311
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: PEPTIDE
LOCATION: (1)..(311)
OTHER INFORMATION:
PUBLICATION INFORMATION:
DATABASE ENTRY DATE: 2000-05-11

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RESULT 13
US-10-154-506A-7
; Sequence 7, Application US/10154506A
; Publication No. US20030125231A1
; GENERAL INFORMATION:
; APPLICANT: Li, Jun et al.
; TITLE OF INVENTION: Methods and Compounds for the Diagnosis of Inflammatory Disease a
; TITLE OF INVENTION: Identification of Pharmacological Agents Useful in the Treatment
; FILE REFERENCE: 9/206-217
; CURRENT APPLICATION NUMBER: US/10/154,506A
; PRIOR FILING DATE: 2002-05-23
; PRIOR APPLICATION NUMBER: US 60/292,968
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 7
; LENGTH: 311
; TYPE: PRT
; ORGANISM: Homo sapiens
; PUBLIC "-//IUPAC//PDB//SGML//EN//>"
; DATABASE ACCESSION NUMBER: XP_0102028
; RELEVANT ENTRY DATE: 2001-07-12
; RELEVANT RESIDUES: (1)..(311)
; US-10-154-506A-7

Query Match 36.2%; Score 42; DB 15; Length 311;
Best Local Similarity 42.1%; Pred. No. 1.6e+02; Mismatches 8; Indels 0; Gaps 0;
Matches 8; Conservative 3; Mismatches 8; Indels 0; Gaps 0;

QY 3 LFDPWHLHPVAVADSPRA 21
Db 281 LLDPMWQTPAEDVPLNPSK 299

RESULT 14
US-09-815-242-5190
; Sequence 5190, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; FILE REFERENCE: 9/11RA_01A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848.
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23

Query Match 36.2%; Score 42; DB 9; Length 323;
Best Local Similarity 45.5%; Pred. No. 1.7e+02; Mismatches 9; Indels 0; Gaps 0;
Matches 10; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

QY 1 MALDPWHLHPVAVADSPRA 22
Db 162 IALARAMMLOPKVIVADEPTSA 183

RESULT 15
US-10-156-761-14847
; Sequence 14847, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
; APPLICANT: OMURA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HOSIKAWA, HIROSHI
; APPLICANT: ISHIBA, TADAYOSHI
; APPLICANT: SAKAKI, YOSHIOKI
; APPLICANT: HATTORI, MASAHIRA
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-262
; CURRENT APPLICATION NUMBER: US/10/156,761
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: JP 2001-204089
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: JP 2001-272697
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 14847
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Streptomyces avermitilis
; US-10-156-761-14847

Query Match 36.2%; Score 42; DB 15; Length 335;
Best Local Similarity 39.1%; Pred. No. 1.8e+02; Mismatches 6; Indels 6; Gaps 1;
Matches 9; Conservative 2; Mismatches 6; Indels 6; Gaps 1;

QY 6 PWLHHP-----VVAADSPRSA 22
Db 212 PWAREPYVVIGTIAVADIFQNA 234

Search completed: July 25, 2003, 13:08:13
Job time : 6.90857 secs

